INSTALLATION INSTRUCTIONS

BUILT-IN BOTTOM MOUNT REFRIGERATOR/FREEZER

Retain for Future Reference

VIKING RANGE CORPORATION
111 Front Street
Greenwood, Mississippi 38930 USA
(662) 455-1200

IMPORTANT - PLEASE READ AND FOLLOW

Make sure that incoming voltage is the same as unit rating. An electric rating plate specifying voltage, frequency, wattage, amperage, and phase is attached to the product.

To reduce the risk of fire, electric shock, or injury to persons, installation work and electrical wiring must be done by qualified people in accordance with all applicable codes and standards, including fire-rated construction.

The installer should leave these instructions with the consumer who should retain them for local inspector's use and for future reference.

GENERAL INFORMATION

Your safety and the safety of others is very important.

We have provided many important safety messages in this manual and on your appliance. Always read and obey all safety messages.

This is the safety alert symbol. This symbol alerts you to hazards that can kill or hurt you and others. All safety messages will be preceded by the safety alert symbol and the word "DANGER" or "WARNING". These words mean:

⚠ DANGER

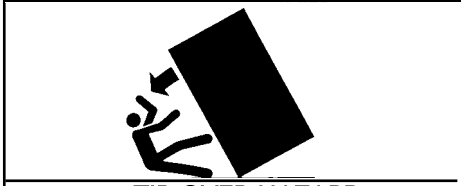
You will be killed or seriously injured if you don't follow instructions.

⚠ WARNING

You can be killed or seriously injured if you don't follow instructions.

All safety messages will identify the hazard, tell you how to reduce the chance if injury, and tell you what can happen if the instructions are not followed.

⚠ WARNING



TIP OVER HAZARD

Appliance is top heavy and tips easily when not completely installed.
Keep doors closed until appliance is completely installed and secured per installation instructions.
Use two or more people to move and install appliance. Failure to do so can result in death or serious injury.

Most of the unit's weight is at the top. Extra care is needed when moving the unit to prevent tipping. Use cardboard shipping material or plywood under unit until it is installed in the operating position to protect floor surface.

It is your responsibility to :

-comply with installation specifications and dimensions
-properly install unit
-remove any moldings or decorative panels that prevent the unit from being serviced
-make sure that you have these materials (not provided with your unit), which are necessary for proper installation:
  1/4" (6 mm) copper tubing with shutoff valve
  6 - #8 x 3" (7.6 cm) wood screws (Longer screws may be required.)
  1 - Saddle valve (Do not use self-piercing feature of the valve)

-assure that floor will support unit, door panels and contents (approximately 1200 pounds [540 kg])
-provide a properly grounded electrical outlet
-assure that location will permit appliance doors to open 90° minimum

BASIC SPECIFICATIONS AND DIMENSIONS - PROFESSIONAL MODELS

DESCRIPTION	VCBB363
Overall Width	36" (91.5 cm)
Overall Height from Bottom	Min. 82 3/4" (210.2 cm) to Max. 84 1/16" (213.5 cm)
Overall Depth from Rear	To front edge of side trim 22 3/16" (56.4 cm) To front of top grille 24 11/16" (62.7 cm) To end of handle bracket 27 1/4" (69.2 cm)
Cutout Width	35 1/2" (90.2 cm)
Cutout Height	82 7/8" (210.5 cm) min.; 84 1/16" (213.5 cm) max.
Cutout Depth	24" (61.0 cm) min.
Electrical Requirements	115 volt, 60 Hz, 15 amp dedicated circuit; 3-wire cord with grounded 3-prong plug attached to product.
Maximum Amp Usage	9.9 amps
Inlet Water Requirements	1/4" copper tubing inlet waterline; minimum 20 psi; maximum 120 psi
Overall Interior Dimensions	
•Refrigerator	15.2 cu. ft. (.43 cu. meters)
•Freezer	5.1 cu. ft. (.14 cu. meters)
•Total Capacity	20.3 cu. ft. (.57 cu. meters)
Approximate Shipping Weight	500 lbs. (227.3 kg)

BASIC SPECIFICATIONS AND DIMENSIONS - DESIGNER MODELS

DESCRIPTION	DDBB363
Overall Width	36" (91.5 cm)
Overall Height from Bottom	Min. 82 3/4" (210.2 cm) to Max. 84 1/16" (213.5 cm)
Overall Depth from Rear	To rear edge of side trim 23 13/16" (60.5 cm) To front of top grille 24" (61.0 cm) To end of handle bracket 26" (66.0 cm)
Cutout Width	36" (91.5 cm)
Cutout Height	82 7/8" (210.5 cm) min.; 84 1/16" (213.5 cm) max.
Cutout Depth	24" (61.0 cm) min.
Electrical Requirements	115 volt, 60 Hz, 15 amp dedicated circuit; 3-wire cord with grounded 3-prong plug attached to product.
Maximum Amp Usage	9.9 amps
Inlet Water Requirements	1/4" copper tubing inlet waterline; minimum 20 psi; maximum 120 psi
Overall Interior Dimensions	
•Refrigerator	15.2 cu. ft. (.43 cu. meters)
•Freezer	5.1 cu. ft. (.14 cu. meters)
•Total Capacity	20.3 cu. ft. (.57 cu. meters
Approximate Shipping Weight	500 lbs. (227.3 kg)

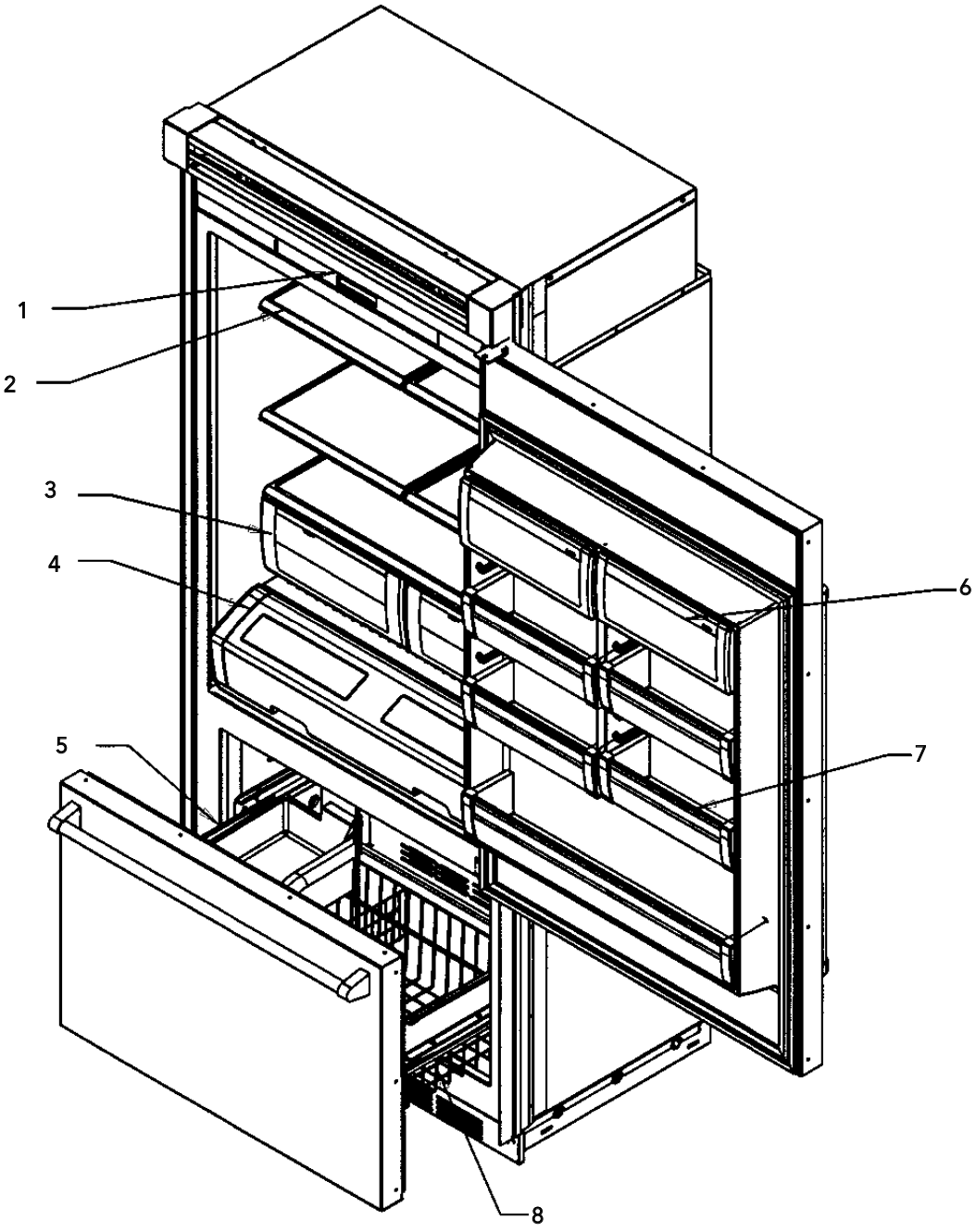
BASIC SPECIFICATIONS AND DIMENSIONS - FULL OVERLAY MODELS

DESCRIPTION	DFBB363
Overall Width	36" (91.5 cm)
Overall Height from Bottom	Min. 82 3/4" (210.2 cm) to Max. 84 1/16" (213.5 cm)
Overall Depth from Rear	To rear edge of side trim 23 13/16" (60.5 cm) To front of top grille 24 3/4" (62.9 cm) To front edge of door trim 24" (61.0 cm)
Cutout Width	36" (91.5 cm)
Cutout Height	82 7/8" (210.5 cm) min.; 84 1/16" (213.5 cm) max.
Cutout Depth	24" (61.0 cm) min.*
Electrical Requirements	115 volt, 60 Hz, 15 amp dedicated circuit; 3-wire cord with grounded 3-prong plug attached to product.
Maximum Amp Usage	9.9 amps
Inlet Water Requirements	1/4" copper tubing inlet waterline; minimum 20 psi; maximum 120 psi
Overall Interior Dimensions	
•Refrigerator	15.2 cu. ft. (.43 cu. meters)
•Freezer	5.1 cu. ft. (.14 cu. meters)
•Total Capacity	20.3 cu. ft. (.57 cu. meters
Approximate Shipping Weight	500 lbs. (227.3 kg)

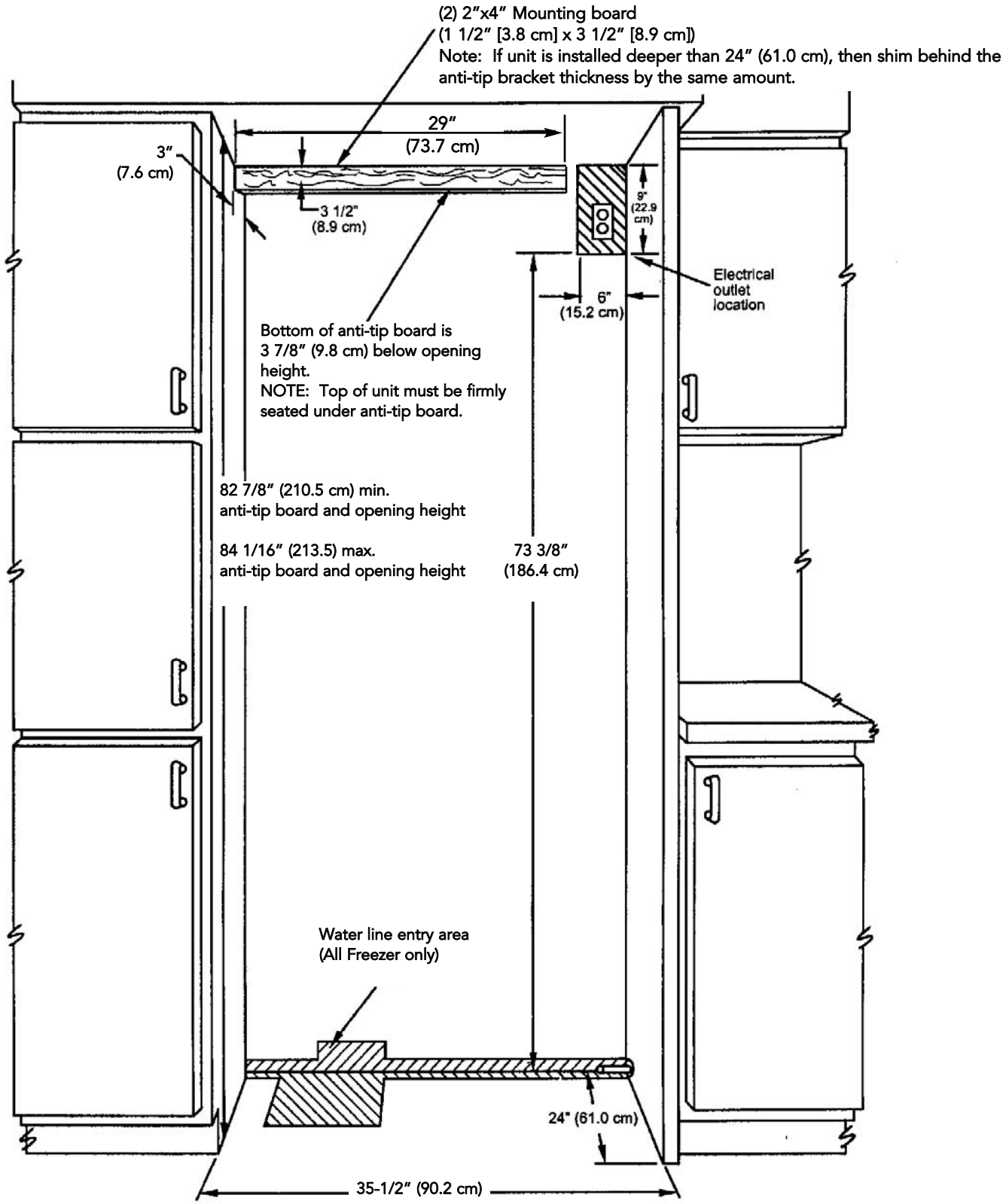
*Full overlay models fit flush in 25" (63.5 cm) deep cabinet openings. They can be installed in standard 24" (61.0 cm) deep openings. The door faces and top grille will protrude 3/4" (1.9 cm) into the room.

FEATURES OF YOUR REFRIGERATOR

1. Electronic Controls
2. Spillproof Shelves (5)
3. Moisture Control Produce Drawers (2)
4. Meat Savor™/Produce Drawer (1)
5. Ice Bucket (1)
6. Dairy Compartments (2)
7. Door Bins (5)
8. Wire Freezer Baskets (2)

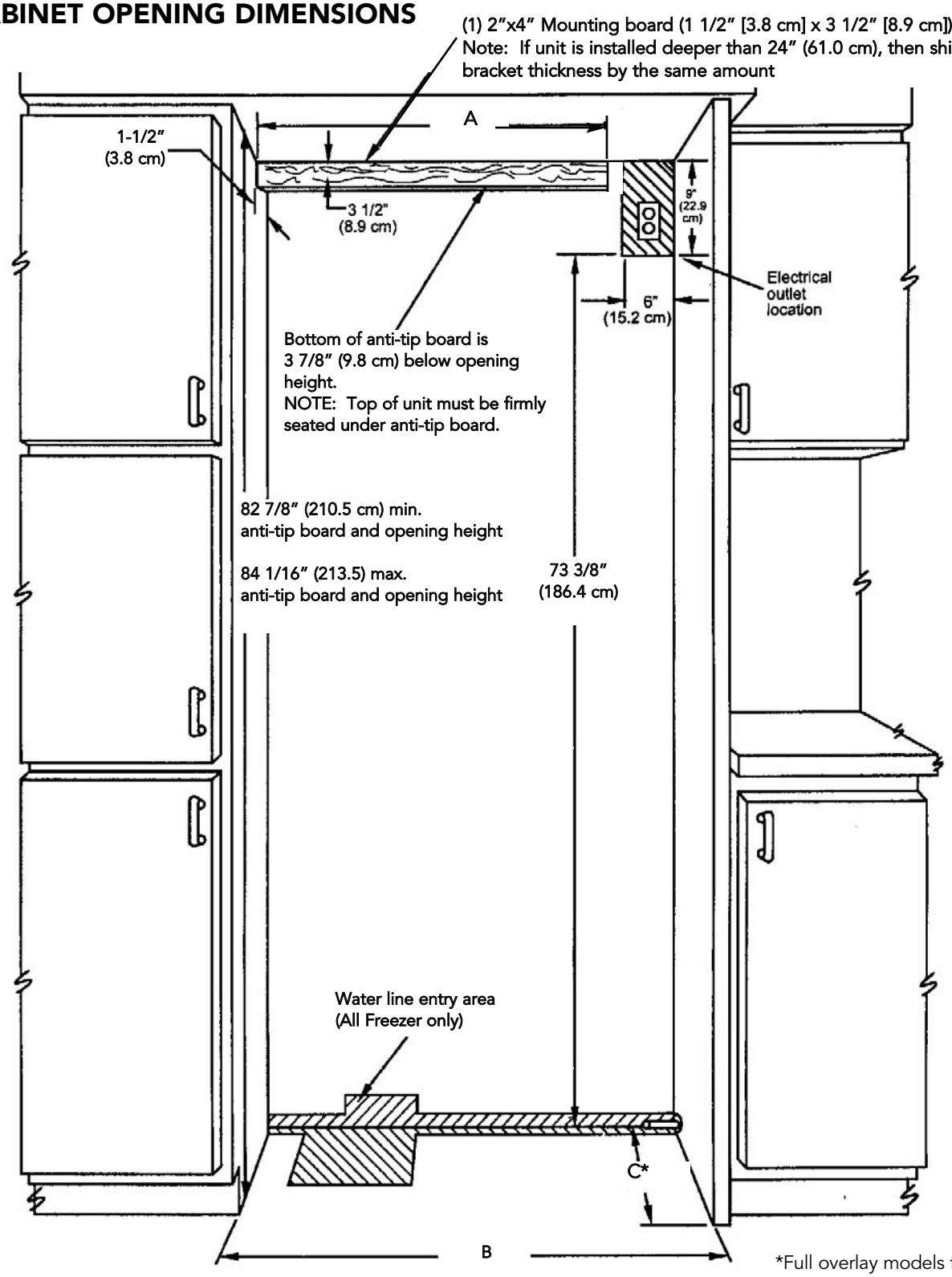


SITE PREPARATIONS AND CONSIDERATIONS
PROFESSIONAL MODEL BOTTOM MOUNT REFRIGERATOR/FREEZER CABINET OPENING DIMENSIONS


(2) 2"x4" Mounting board
(1 1/2" [3.8 cm] x 3 1/2" [8.9 cm])
Note: If unit is installed deeper than 24" (61.0 cm), then shim behind the anti-tip bracket thickness by the same amount.
29"
(73.7 cm)
3"
(7.6 cm)
3 1/2"
(8.9 cm)
9"
(22.9 cm)
Electrical outlet location
6"
(15.2 cm)
Bottom of anti-tip board is 3 7/8" (9.8 cm) below opening height.
NOTE: Top of unit must be firmly seated under anti-tip board.
82 7/8" (210.5 cm) min.
anti-tip board and opening height
84 1/16" (213.5) max.
anti-tip board and opening height
73 3/8"
(186.4 cm)
Water line entry area
(All Freezer only)
24" (61.0 cm)
35-1/2" (90.2 cm)

SITE PREPARATIONS AND CONSIDERATIONS

DESIGNER/FULL OVERLAY MODEL BOTTOM MOUNT REFRIGERATOR/FREEZER CABINET OPENING DIMENSIONS


(1) 2"x4" Mounting board (1 1/2" [3.8 cm] x 3 1/2" [8.9 cm])
Note: If unit is installed deeper than 24" (61.0 cm), then shim behind antl-tip bracket thickness by the same amount
A
1-1/2"
(3.8 cm)
3 1/2"
(8.9 cm)
9"
(22.9 cm)
Electrical outlet location
6"
(15.2 cm)
Bottom of anti-tip board is 3 7/8" (9.8 cm) below opening height.
NOTE: Top of unit must be firmly seated under anti-tip board.
82 7/8" (210.5 cm) min.
anti-tip board and opening height
84 1/16" (213.5) max.
anti-tip board and opening height
73 3/8"
(186.4 cm)
Water line entry area
(All Freezer only)
C*
B

*Full overlay models fit flush in 25" (63.5 cm) deep cabinet openings. They can be installed in standard 24" (61.0 cm) deep openings. The door faces and top grille will protrude 3/4" (1.9 cm) into the room.

	A	B	C*
36" W. Designer	29" (73.7 cm)	36" (91.5 cm)	24" (61.0 cm)
36" W. Full Overlay	29" (73.7 cm)	36" (91.5 cm)	25" (63.5 cm)

WATER SUPPLY REQUIREMENTS

⚠ WARNING

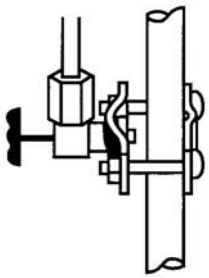
ELECTRICAL SHOCK HAZARD
Some water may remain in line. Electric drill must be grounded to prevent severe or lethal shock if water is in line and enters drill during use.

Use only 1/4" (6 mm) copper tubing for water line. Do Not install copper tubing in area where temperatures drop below 35°F (1.7°C). Before attaching copper tubing to refrigerator, flush at least 2 quarts (1.9 L) of water through the copper tubing and into a bucket to remove any particles in the water line.

- Viking Range Corporation is not responsible for property damage due to improper installation or water connection.
- Connect 1/4" (6mm) flexible copper tubing to household plumbing in compliance with local codes and ordinances.
- Length of copper tubing must reach from water supply connection to refrigerator connection with an additional length to facilitate moving the refrigerator out of enclosure for cleaning or service. Tubing should be soft instead of rigid and ends should be free of burrs.
- Copper tubing route must be above 35°F (1.7°C) to prevent water line from freezing.
- Do not use plastic water lines.
- Do not use the self-piercing feature of a saddle valve. The hole made by the piercing lance is too small for the water flow rate required by the ice maker. To use a saddle valve, follow the instructions below located under "To rough in water line" on how to pre-drill a 3/16" (4.5 mm) diameter hole.
- If saddle valve is not used, place a separate shut-off valve in an easily accessible location between water supply and refrigerator. Do not locate shut-off valve behind refrigerator.
- The installation of Viking refrigerators with an reverse osmosis system is acceptable as long as the water pressure remains within the allowable PSI as stated below. It is important to note that with many reverse osmosis systems, the pressure starts off high, but then it decreases as the water level of the reverse osmosis storage area drops. This must be considered when checking the water pressure coming into the unit.
- Connect a vertical or horizontal 1/2" (1.2 cm) to 1 1/4" (3.2 cm) COLD water line near refrigerator area.
- Run water line through the floor, back, or side wall. Tubing should lay flat on floor underneath refrigertor. Clamp tubing to wall or floor.
- Water pressure must be greater than 20 psi and less than 120 psi.

To rough in water line:

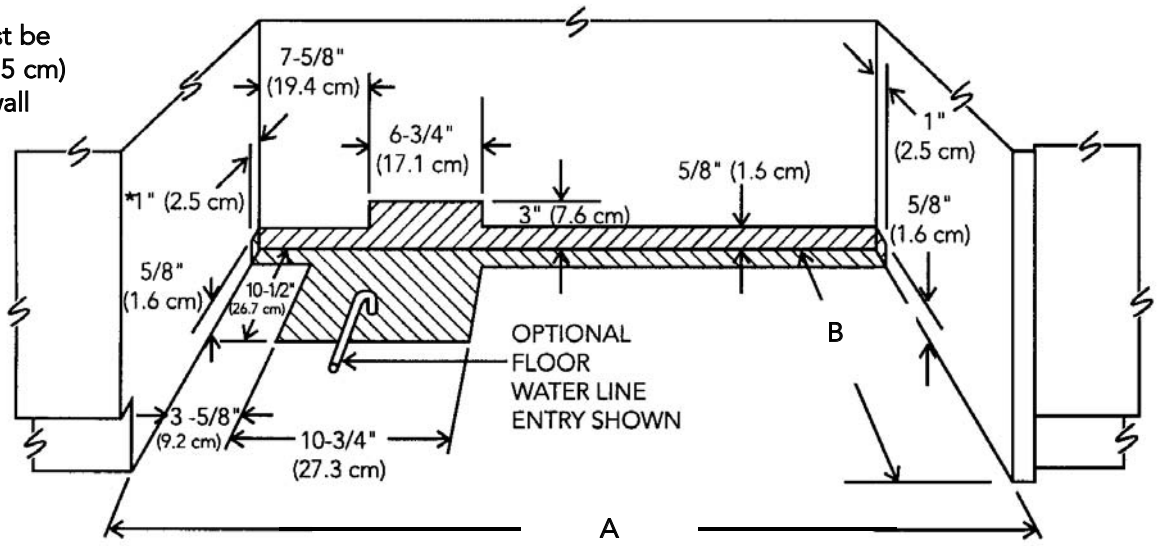
1. Turn OFF main water supply. Turn ON nearest faucet long enough to clear line of water.
2. **Vertical cold water line:** Use grounded electric drill or hand drill to drill 3/16" (4.5 mm) hole in an easily accessible location in water line.
   Horizontal cold water line: Use grounded electric drill or hand drill to drill 3/16" (4.5 mm) hole in the TOP of the water line. This will keep sediment from collecting in valve.
3. Position washer over hole in water line. Turn saddle valve handle clockwise to expose piercing lance a maximum of 3/16" (4.5 mm). Align piercing lance over hole in water line. Place both halves of saddle valve bracket against water line. Turn saddle valve handle clockwise until piercing lance enters hole in water line and is firmly seated. The saddle valve is now in the closed position. Tighten packing nut. Evenly and firmly tighten bracket screws so washer will make a water-tight connection. **Do not overtighten screws: copper tubing could be crushed.**



4. Check that both ends of copper tubing are cut square. Slide compression nut and sleeve onto copper tubing. Insert end of copper tubing completely into valve outlet. Tighten compression nut to outlet with adjustable wrench. **Do not overtighten.**
5. Turn on main water supply. Check for leaks. Turn saddle valve handle counterclockwise and run 2 (1.9 L) quarts of water through copper tubing and into a bucket. Turn saddle valve clockwise to shut off water to copper tubing.
6. Route copper tubing to All Freezer area.
7. Leave an additional length of copper tubing coil to facilitate moving the All Freezer out of enclosure for cleaning or service.
8. See page 37 for water connection instructions.

Plumbing Dimensions

*Note: Must be under 1" (2.5 cm) from back wall



	A	B
36" W. Professional	35 1/2" (90.2 cm)	24" (61.0 cm)
36" W. Designer	36" (91.5 cm)	24" (61.0 cm)
36" W. Full Overlay	36" (91.5 cm)	25" (63.5 cm)

AREA REQUIREMENTS

Verify the following:

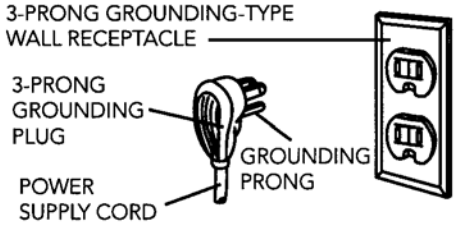
- Unit can fit into residence and can be moved around corners and through doorways.
- Floors can support unit's weight plus food weight (approximately 1200 pounds [540 kg] total).
- Rear wall is solid and is able to support two (2) horizontally mounted 2X4s (included) bolted to 2 wall studs. The 2X4 board bolt heads must be flush with 2X4 to prevent obstruction.
- Remove anything attached to rear or side walls that can obstruct unit installation.
- Cutout dimensions are accurate.
- Electrical outlet is in correct location.
- Water line is in correct location.

ELECTRICAL REQUIREMENTS

⚠ WARNING

ELECTRICAL SHOCK HAZARD
Plug into a grounded 3-prong outlet.
DO NOT remove ground plug.
DO NOT use an adapter.
DO NOT use an extension cord.
Failure to follow these instructions could result in fire or electrical shock.

If codes permit a separate grounding wire to be used, it is recommended that a qualified electrician determine that the grounding path is adequate. Do Not ground to a gas pipe. Check with a qualified electrician if you are not sure the appliance is properly grounded. Do Not have a fuse in the neutral or grounding circuit.



It is the customer's responsibility to:

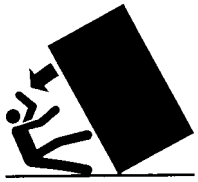
- contact a qualified electrical installer.
- assure that the electrical installation is adequate and in conformance with the National Electrical Code, ANSI/NFPA 70-latest edition or Canadian Electrical Code C22.1-1998 and C22.2 No. 0-M91 (or latest edition), and all local codes and ordinances. (115 volt, 60-Hz, 15 amp, fused, electrical supply is required. It is required that a separate circuit serving only this appliance be provided. This appliance is equipped with a power supply cord having a 3-prong grounding plug. To minimize possible shock hazard, the cord must be plugged into a mating 3-prong, grounding-type wall receptacle. **Do not use an extension cord.)**

Anti-Tip Requirements

The anti-tip boards should be fastened into position prior to moving the unit into the opening.

Note: Additional mounting boards may be required if the unit does not touch the back wall of the enclosure. To prevent unit from tipping forward, it must be secured in place with a solid soffit or wood block.

⚠ WARNING



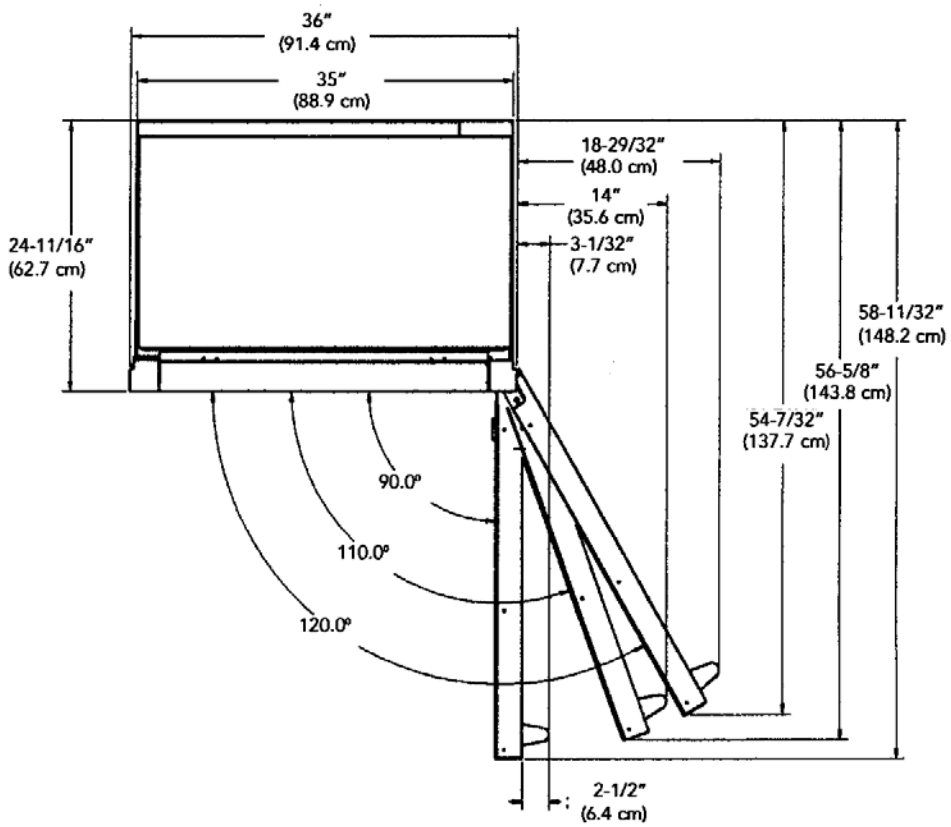
TIP OVER HAZARD

Appliance is top heavy and tips easily when not completely installed.

Keep doors closed until appliance is completely installed and secured per installation instructions. Use two or more people to move and install appliance. Failure to do so can result in death or serious injury.

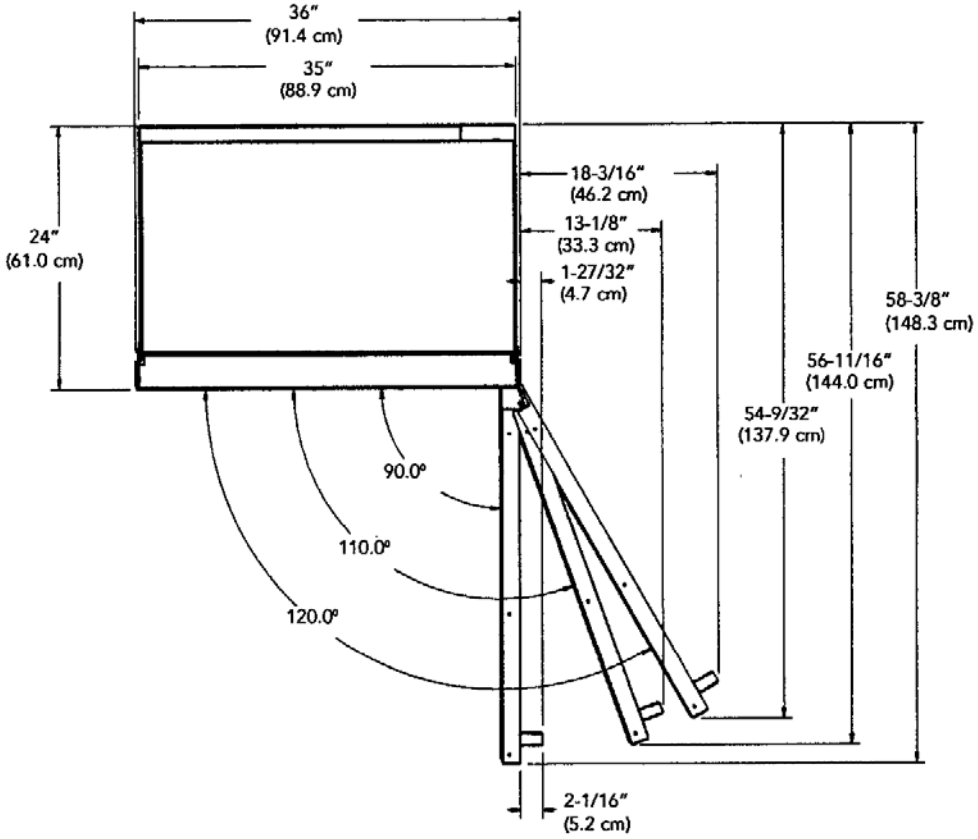
DOOR SWING CONSIDERATIONS

PROFESSIONAL MODEL

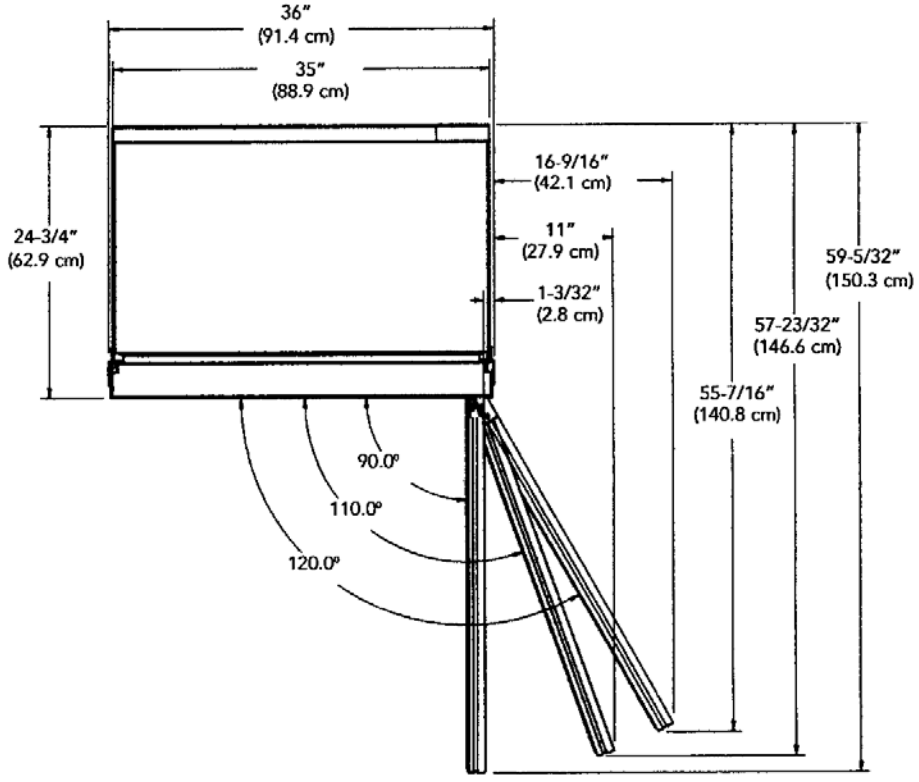


DOOR SWING CONSIDERATIONS

DESIGNER MODEL

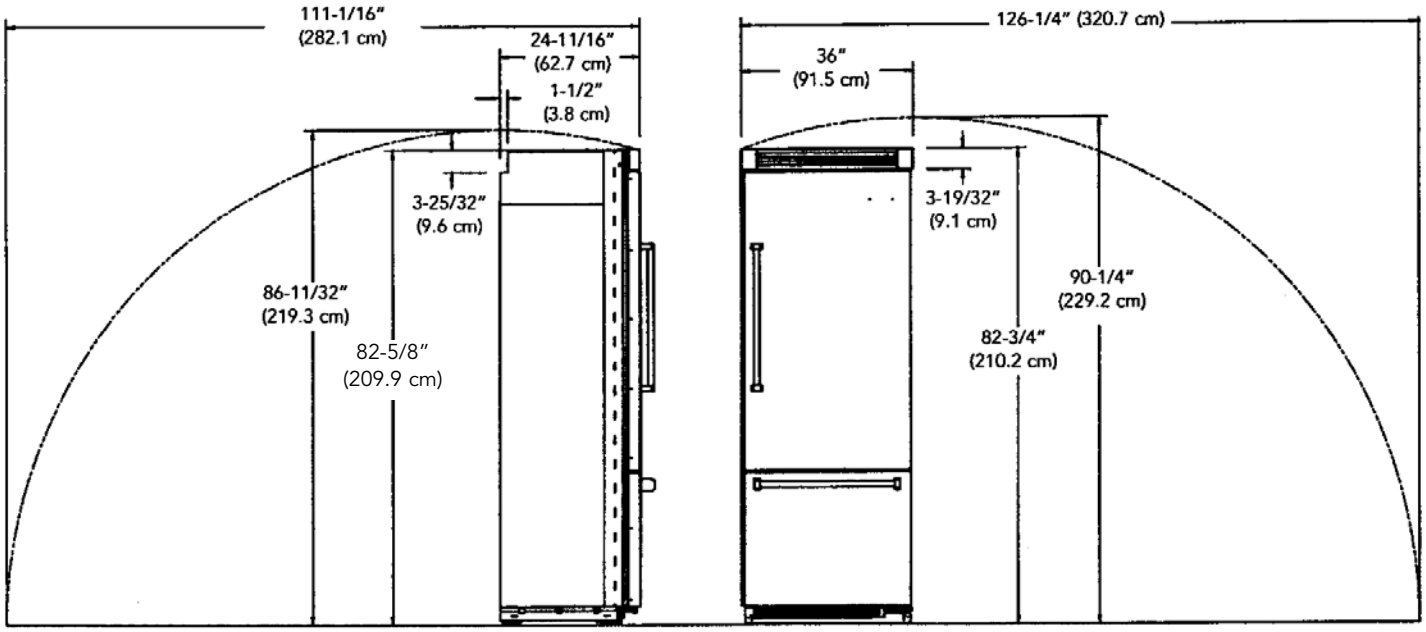


FULL OVERLAY MODEL

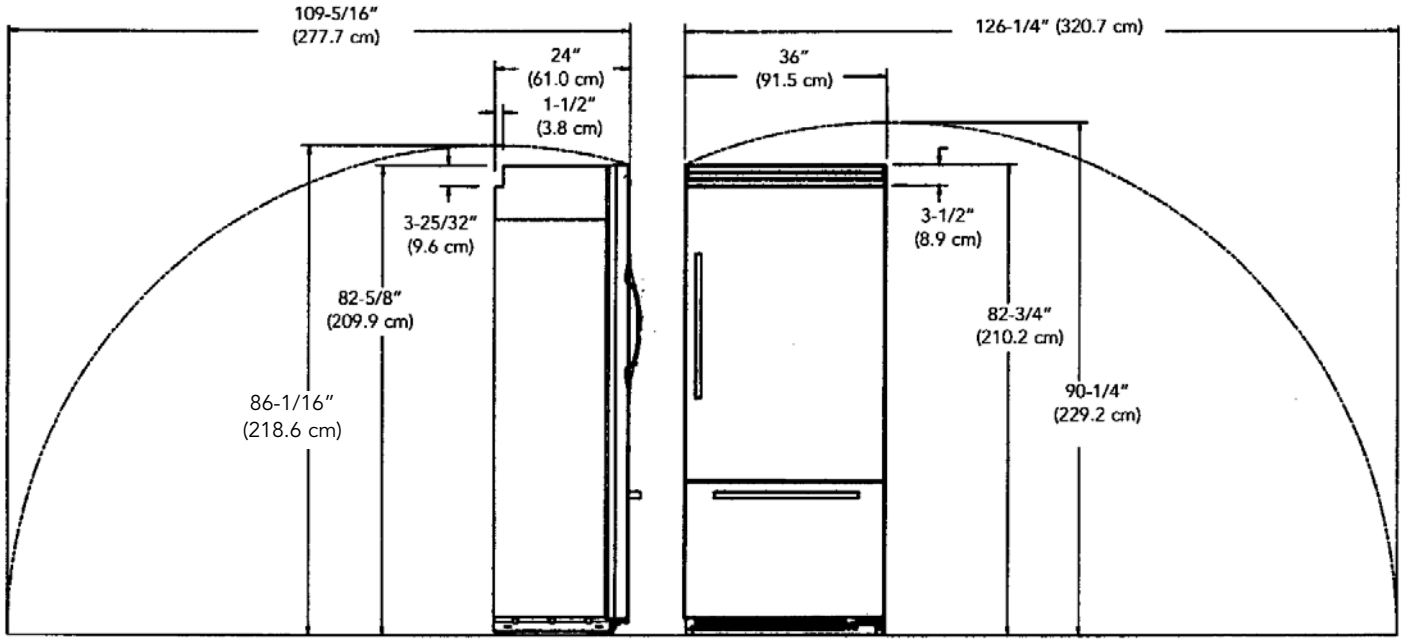


TIPPING CONSIDERATIONS

PROFESSIONAL MODELS

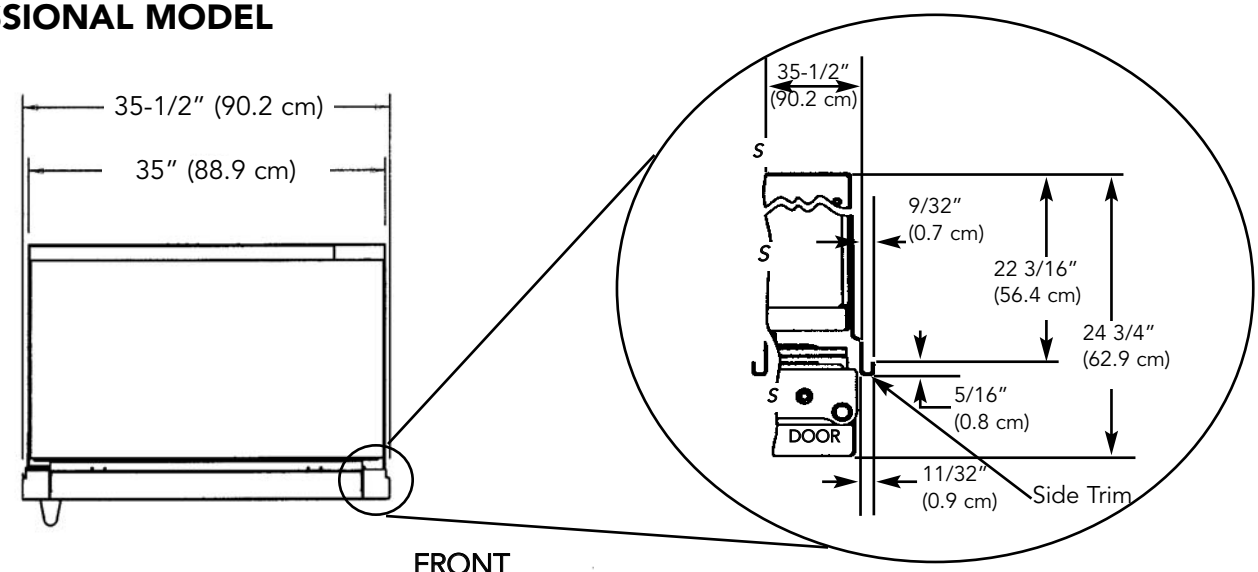


DESIGNER AND FULL OVERLAY MODELS

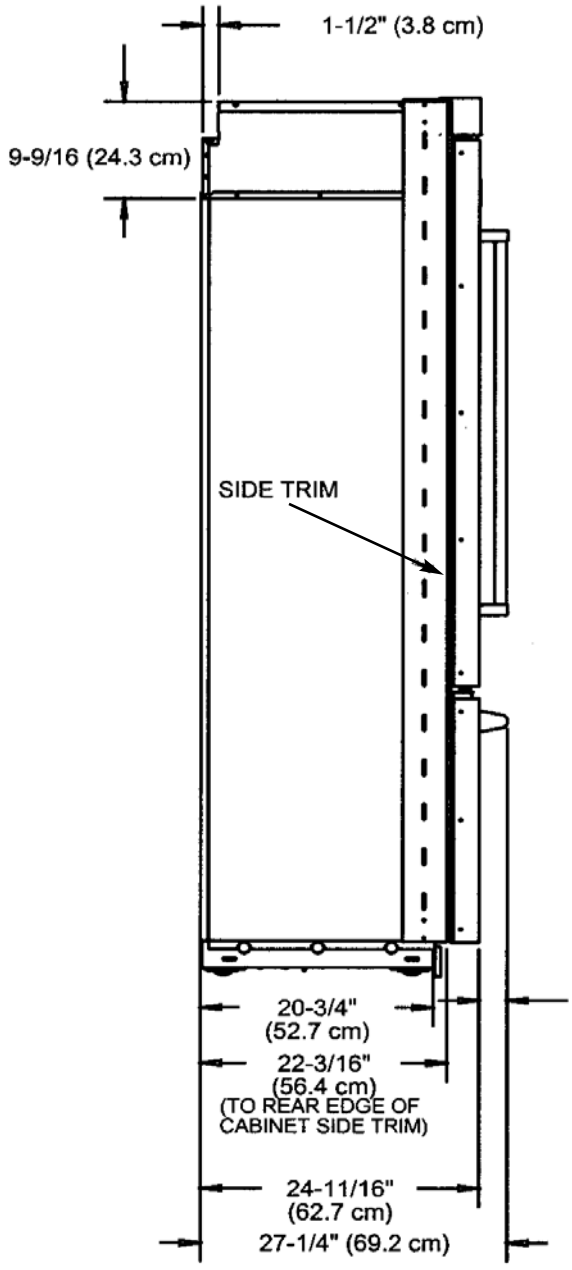


BOTTOM MOUNT REFRIGERATOR OVERALL DIMENSIONS
PROFESSIONAL MODEL

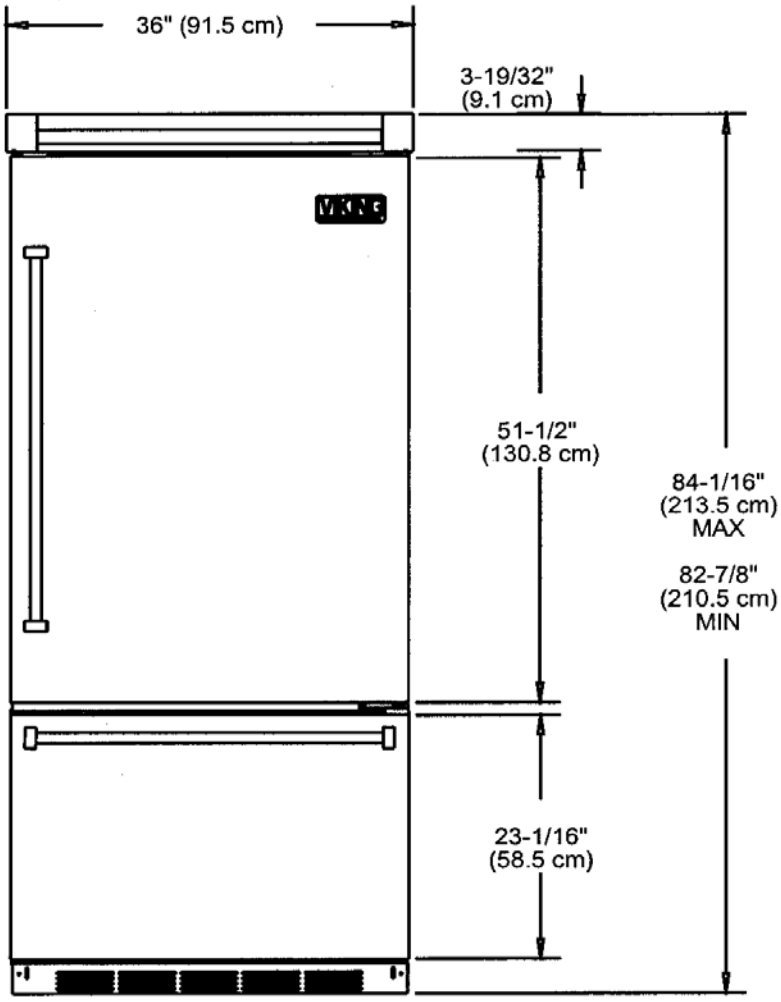
TOP



SIDE

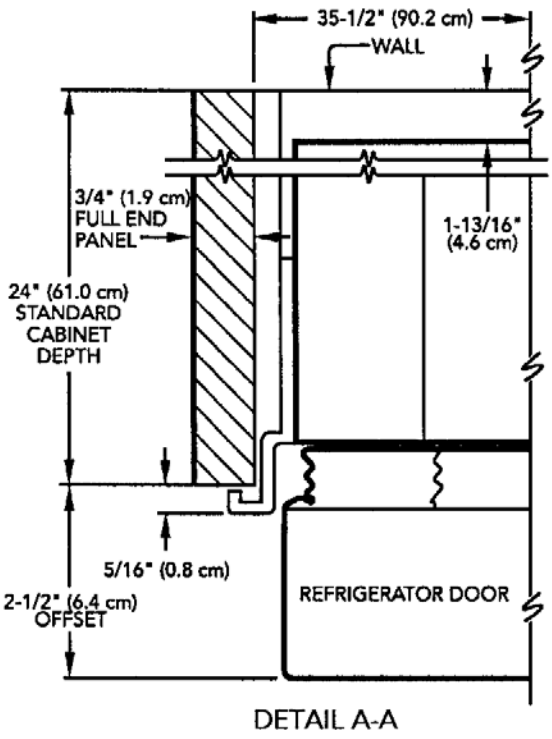


FRONT

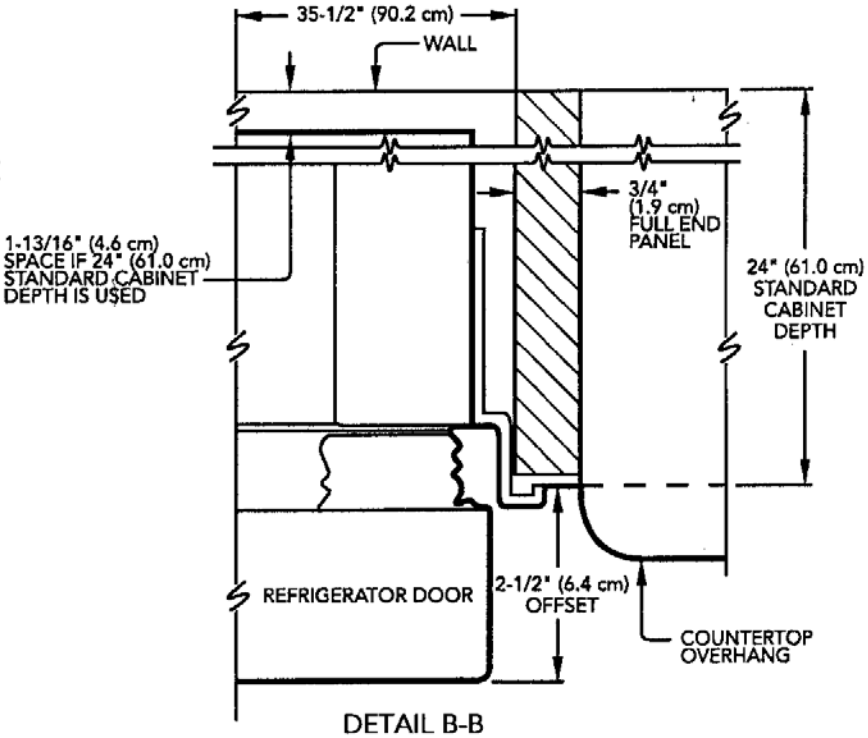


CABINET INFORMATION - PROFESSIONAL MODELS

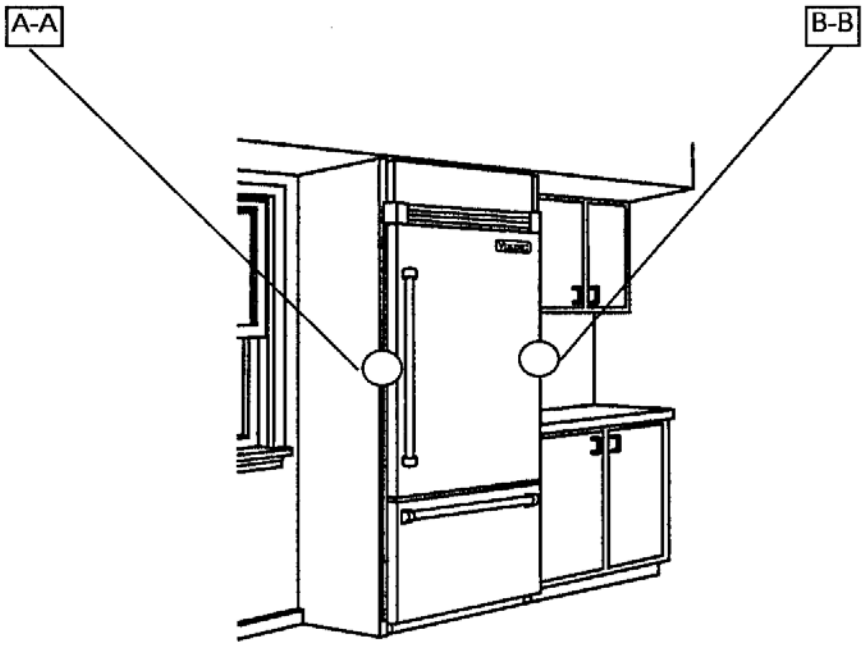
Professional models fit "semi-flush" in standard 24" (61.0 cm) deep cabinet openings. The door face protrudes 2-1/2" (6.4 cm) from the cabinet face. The handle protrudes an additional 2-1/2" (6.4 cm) into the room



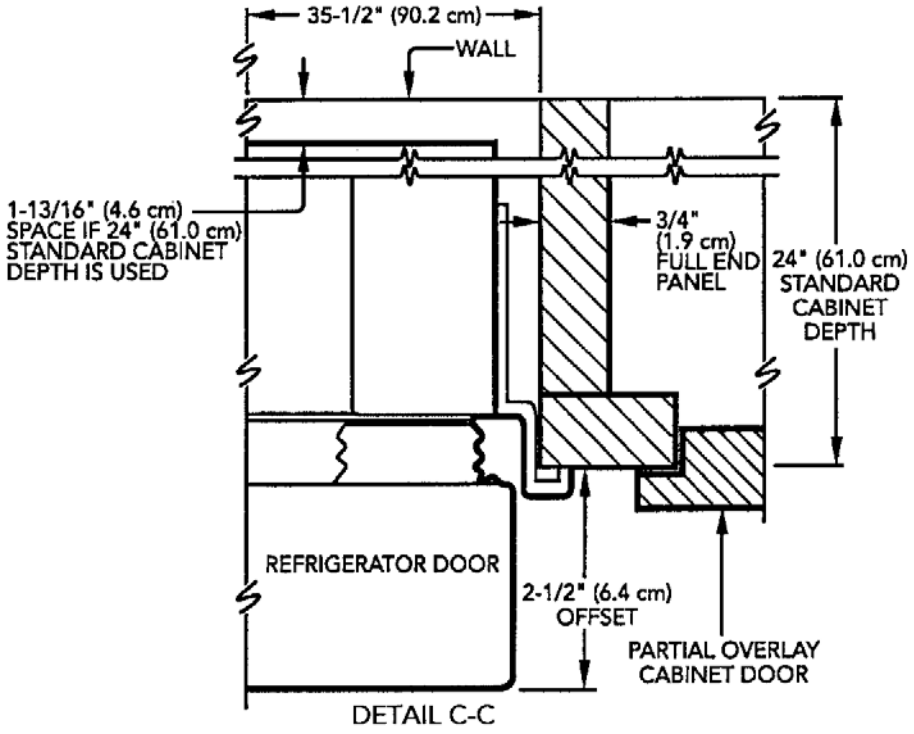
DETAIL A-A


35-1/2" (90.2 cm)
WALL
1-13/16" (4.6 cm) SPACE IF 24" (61.0 cm) STANDARD CABINET DEPTH IS USED
3/4" (1.9 cm) FULL END PANEL
24" (61.0 cm) STANDARD CABINET DEPTH
REFRIGERATOR DOOR
2-1/2" (6.4 cm) OFFSET
COUNTERTOP OVERHANG

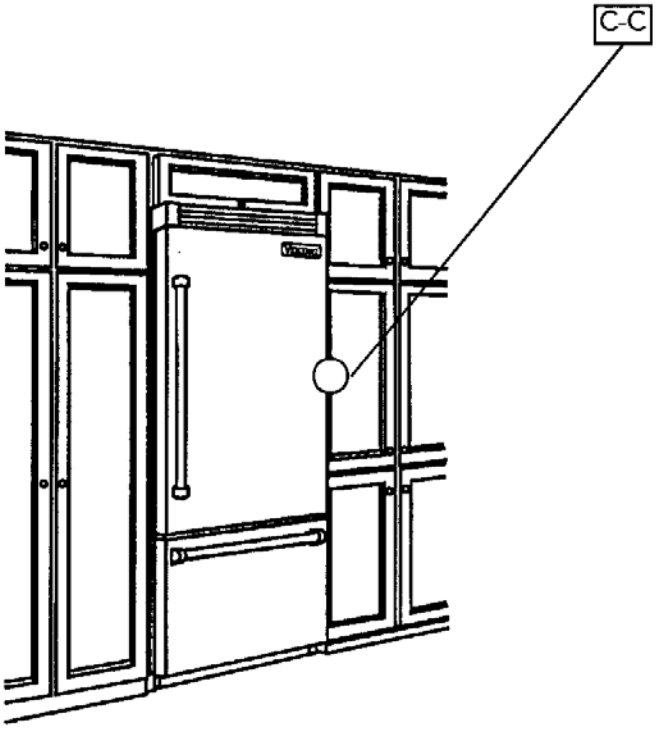
DETAIL B-B



CABINET INFORMATION - PROFESSIONAL MODELS (Cont'd)

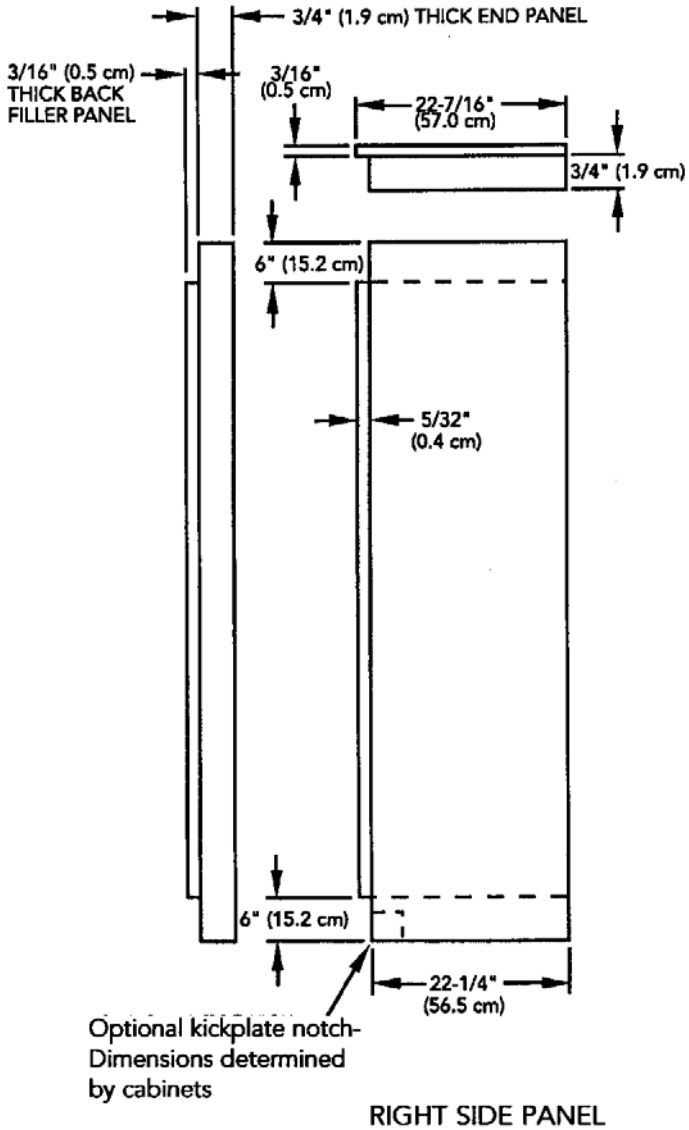


DETAIL C-C

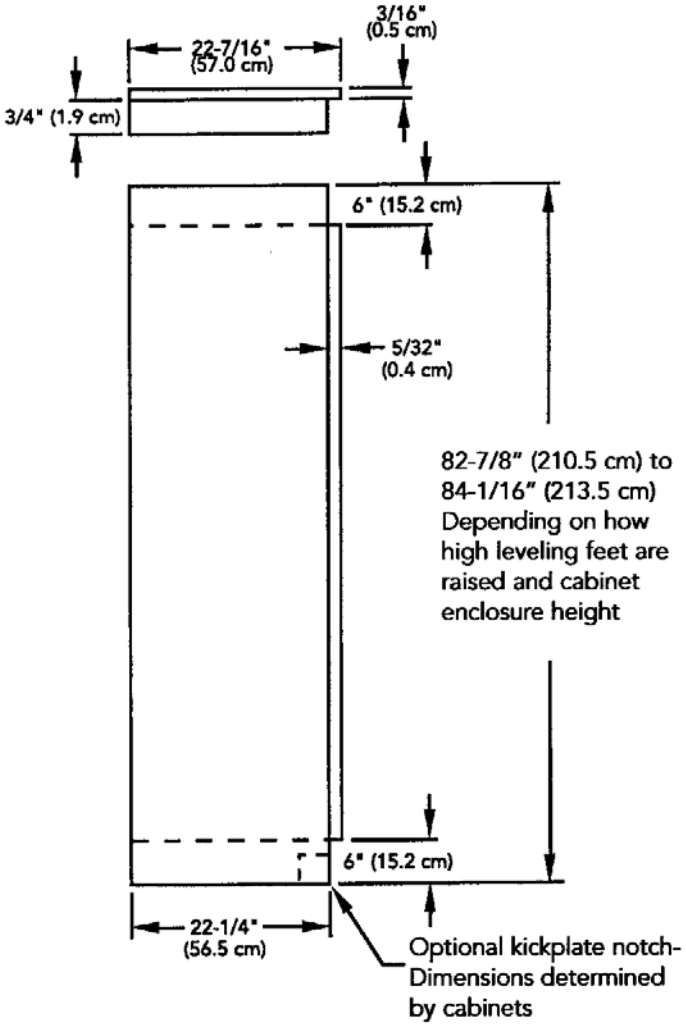


CUSTOM SIDE PANEL DIMENSIONS - PROFESSIONAL MODELS

FOR 3/4" (1.9 cm) SIDE PANELS


3/4" (1.9 cm) THICK END PANEL
3/16" (0.5 cm) THICK BACK FILLER PANEL
3/16" (0.5 cm)
22-7/16" (57.0 cm)
3/4" (1.9 cm)
6" (15.2 cm)
5/32" (0.4 cm)
6" (15.2 cm)
22-1/4" (56.5 cm)
Optional kickplate notch- Dimensions determined by cabinets

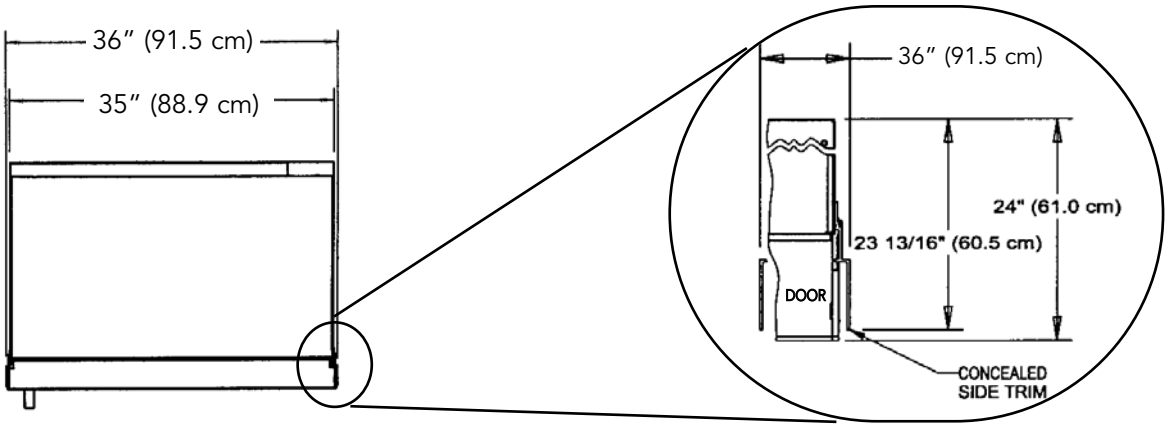
RIGHT SIDE PANEL


3/16" (0.5 cm)
22-7/16" (57.0 cm)
3/4" (1.9 cm)
6" (15.2 cm)
5/32" (0.4 cm)
82-7/8" (210.5 cm) to 84-1/16" (213.5 cm) Depending on how high leveling feet are raised and cabinet enclosure height
6" (15.2 cm)
22-1/4" (56.5 cm)
Optional kickplate notch- Dimensions determined by cabinets

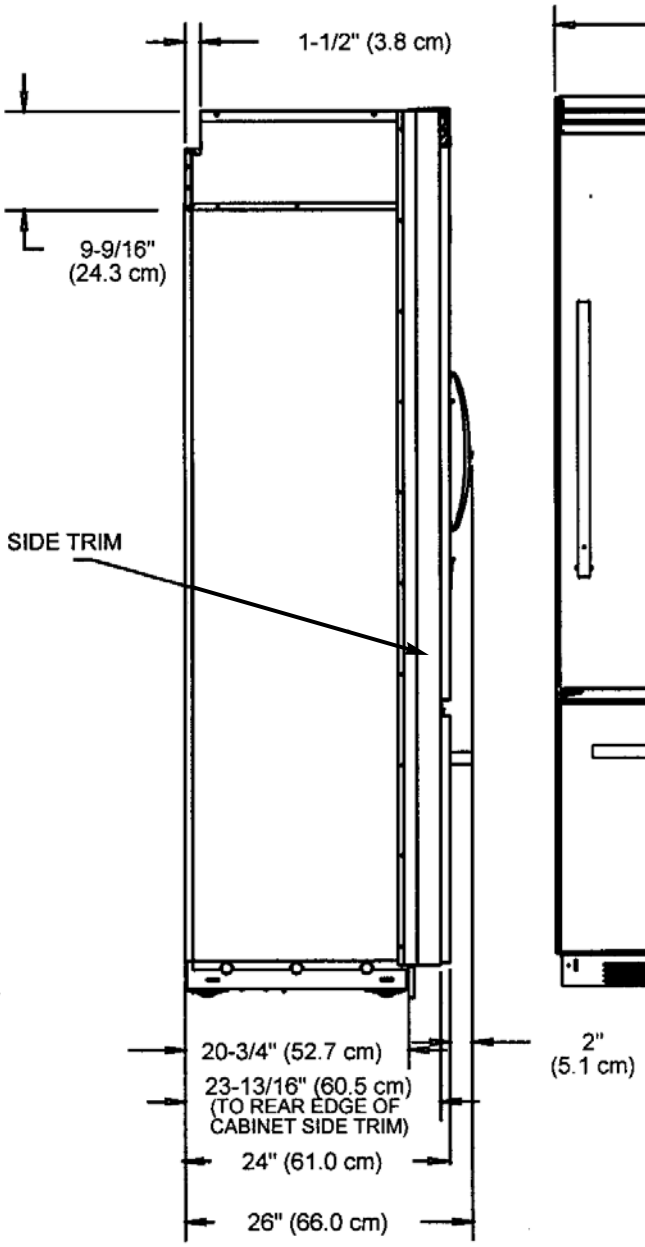
LEFT SIDE PANEL

BOTTOM MOUNT REFRIGERATOR OVERALL DIMENSIONS
DESIGNER MODELS

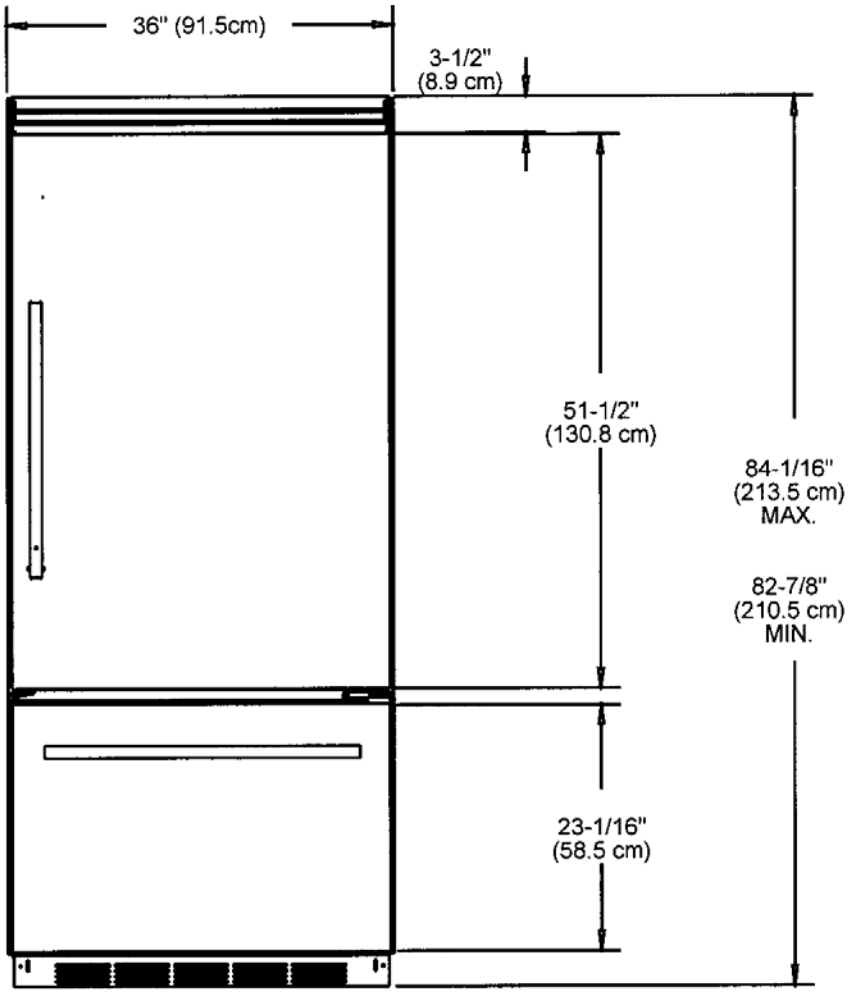
TOP



SIDE

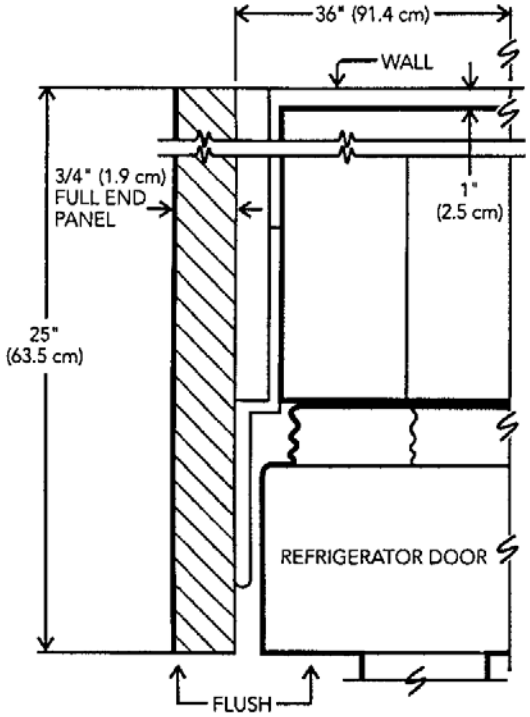


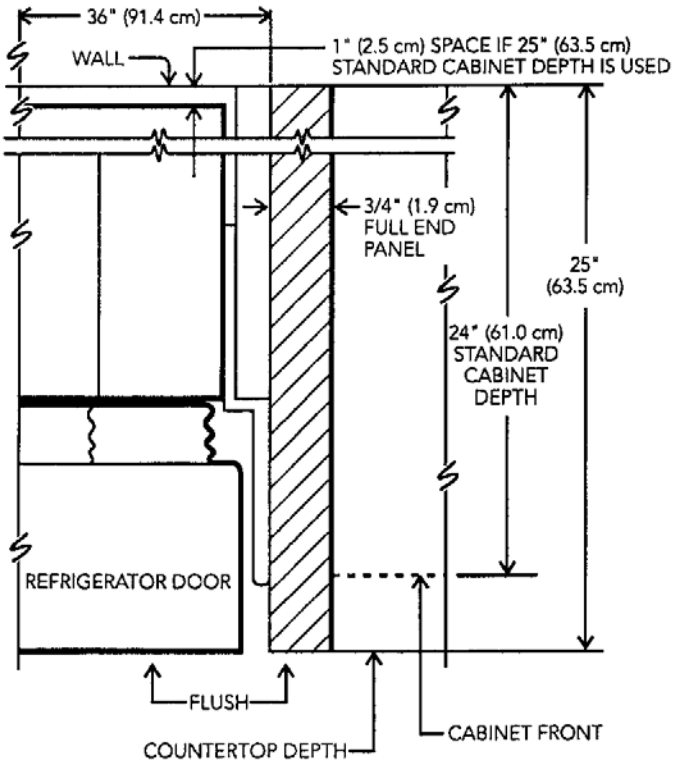
FRONT

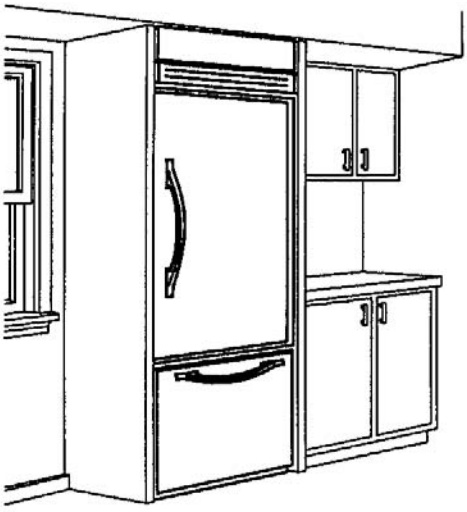


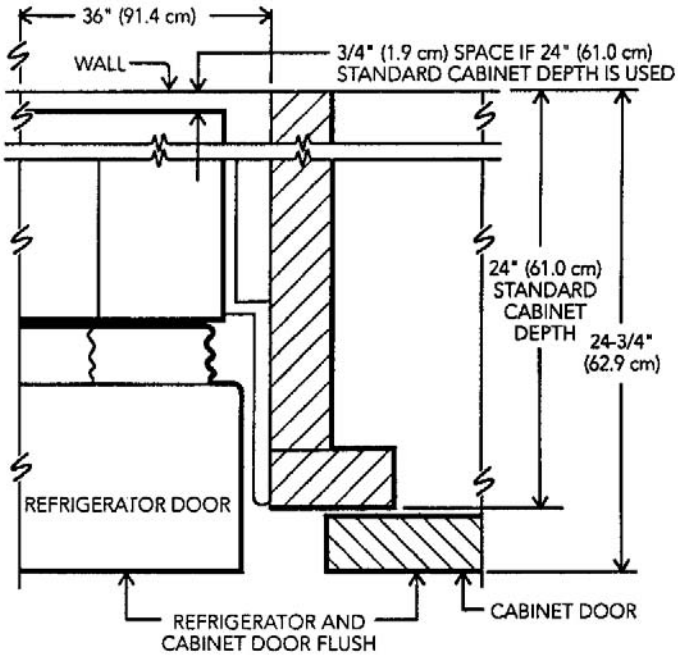
CABINET AND PANEL INFORMATION - DESIGNER MODELS

Designer models fit flush in standard 24" (61.0 cm) deep cabinet openings with no protrusion into the room except 2" (5.1 cm) curved handle depth





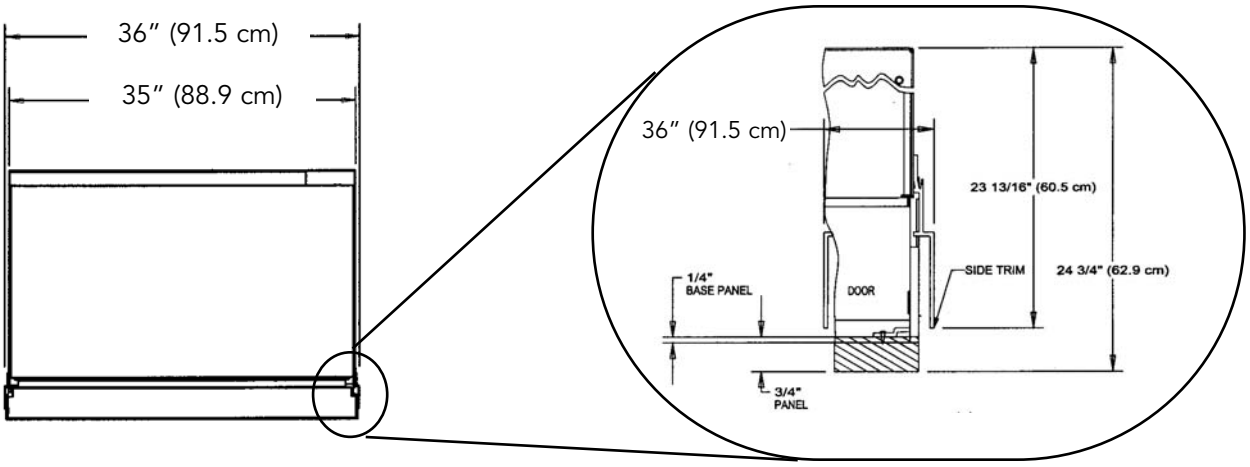


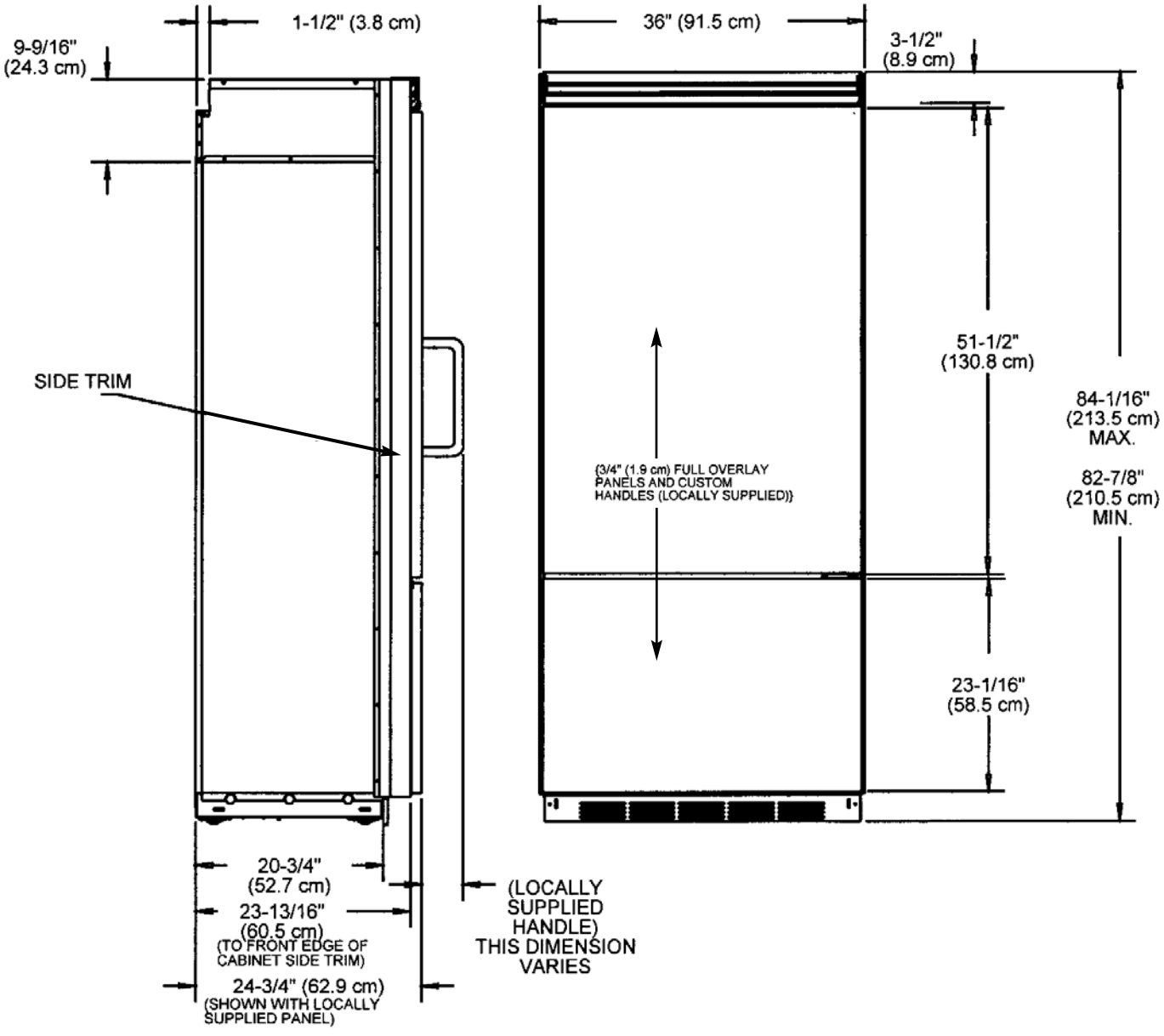


CABINET AND PANEL INFORMATION - FULL OVERLAY MODELS

Full overlay models, (with 3/4" [1.9 cm], thick panels and custom handles locally supplied), fit flush in 25" (63.5 cm) deep (countertop depth) cabinet openings with no protrusion into room except custom handles

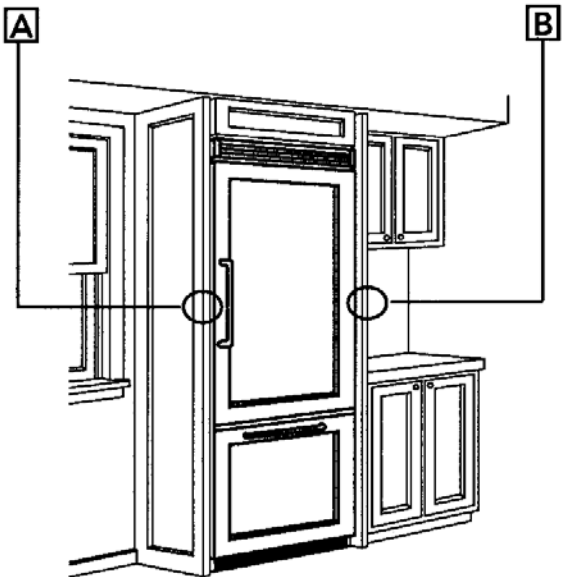
TOP

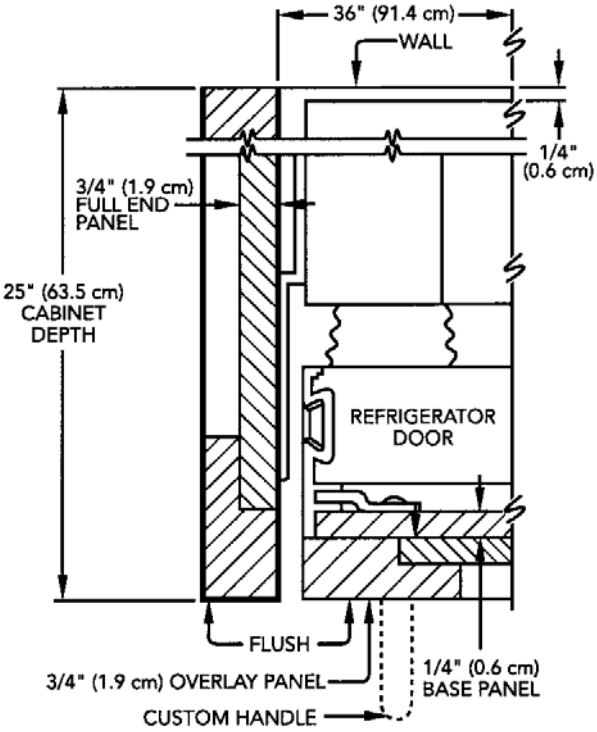




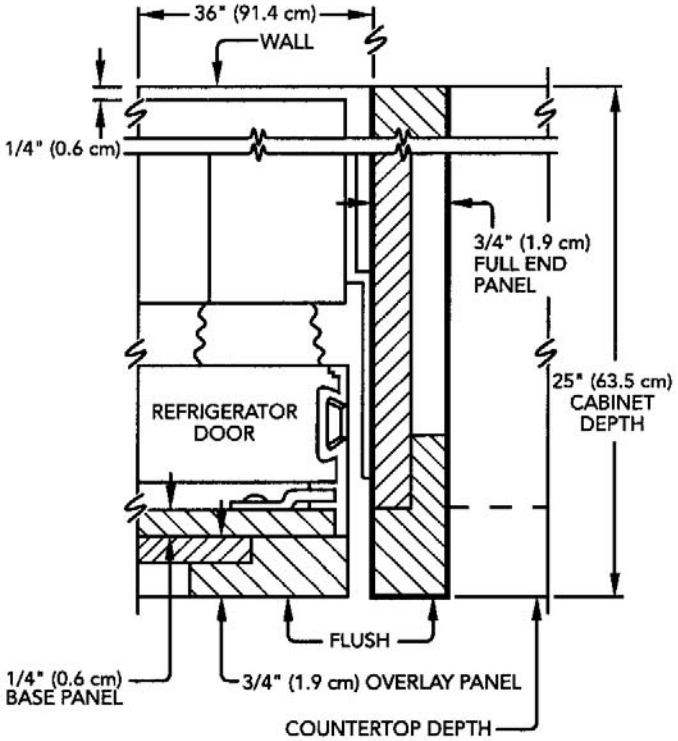
CABINET AND PANEL INFORMATION - FULL OVERLAY MODELS

Full overlay models, (with 3/4" [1.9 cm], thick panels and custom handles locally supplied), fit flush in 25" (63.5 cm) deep (countertop depth) cabinet openings with no protrusion into room except custom handles





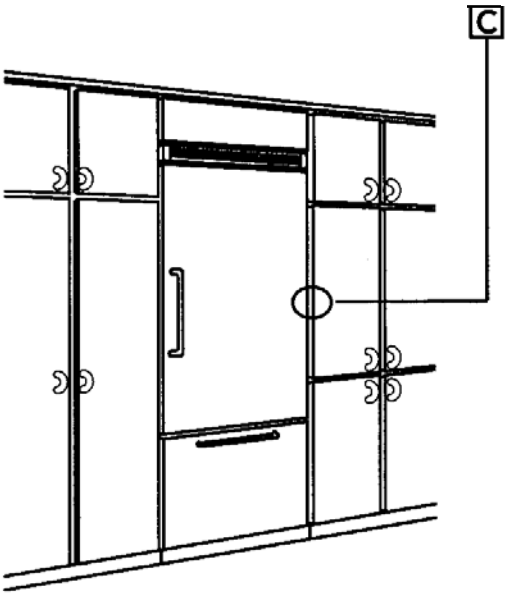
DETAIL "A"

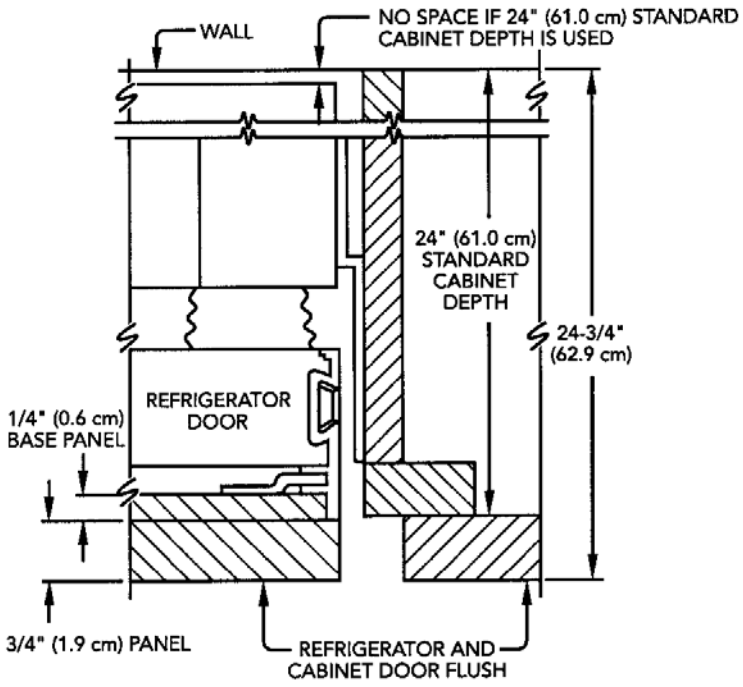


DETAIL "B"

CABINET AND PANEL INFORMATION - FULL OVERLAY MODELS (Cont'd)

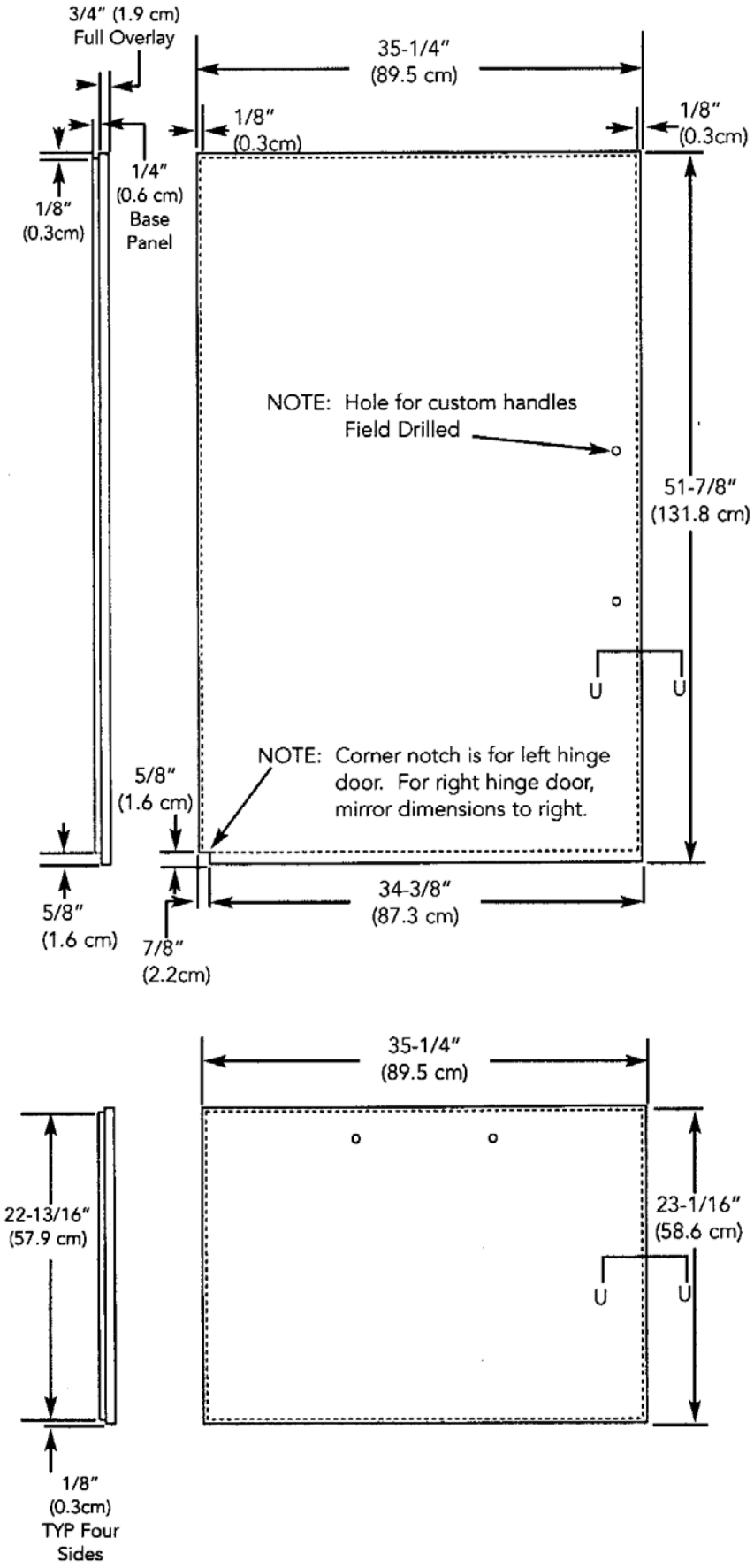
Full overlay models can be installed in standard 24" (61.0 cm) deep openings. However, the door faces and top ventilation grille will protrude 3/4" (1.9 cm) into the room. This is ideal for alignment with full overlay cabinet doors.




WALL
NO SPACE IF 24" (61.0 cm) STANDARD CABINET DEPTH IS USED
24" (61.0 cm) STANDARD CABINET DEPTH
24-3/4" (62.9 cm)
REFRIGERATOR DOOR
1/4" (0.6 cm) BASE PANEL
3/4" (1.9 cm) PANEL
REFRIGERATOR AND CABINET DOOR FLUSH

DETAIL "C"

CUSTOM PANEL DIMENSIONS



CUSTOM PANEL HINGE CUTOUT DETAIL

NOTE: Steps below show panel upside down and notched for a left hinge application. Overview of door and notch location can be seen in Figure A.

For a right hinge door, mirror dimensions to the right

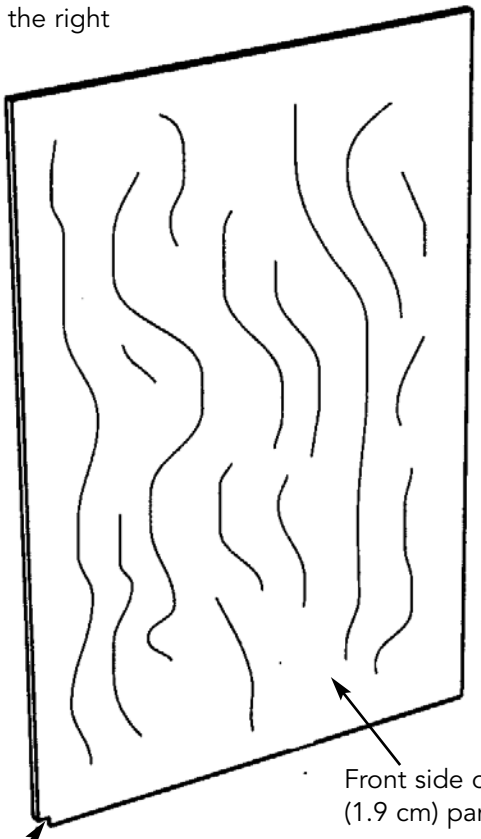
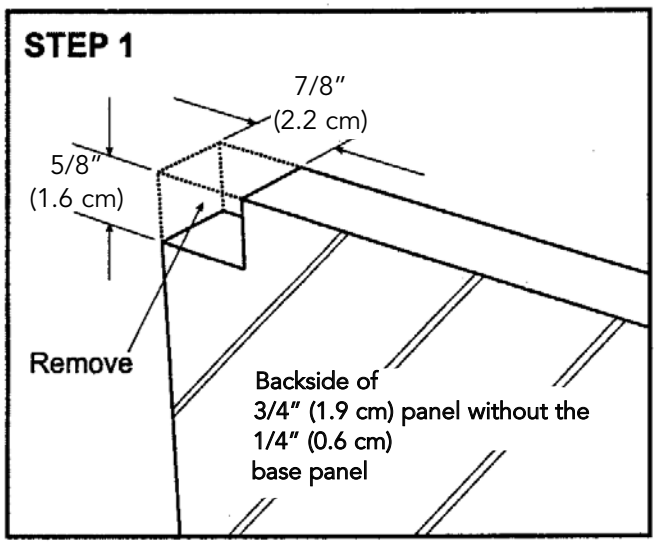
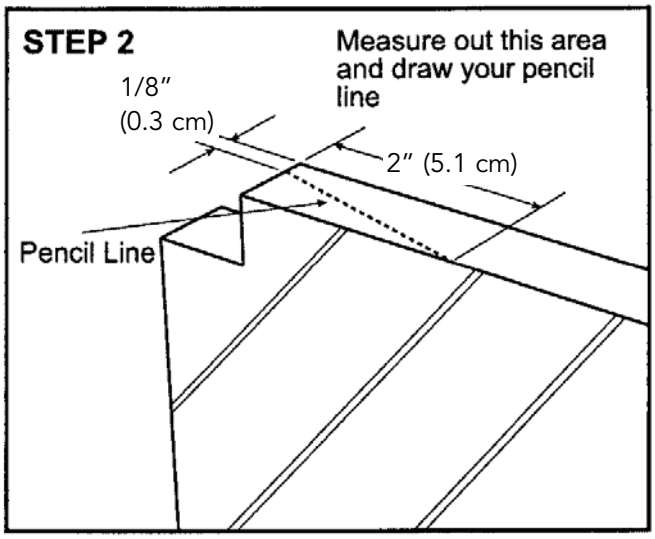
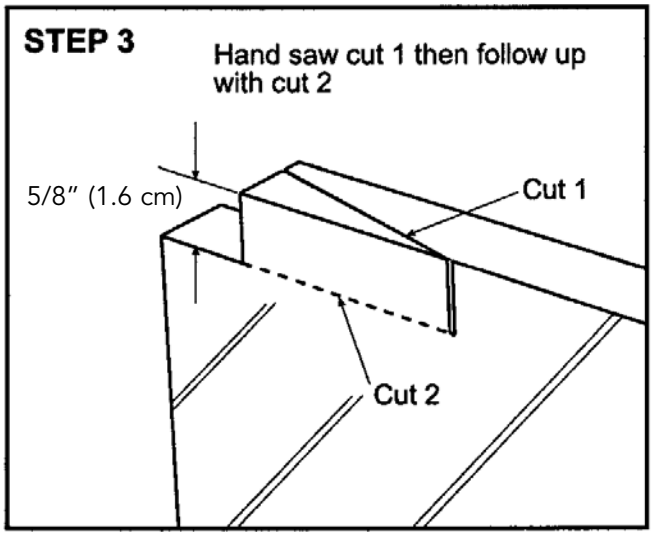
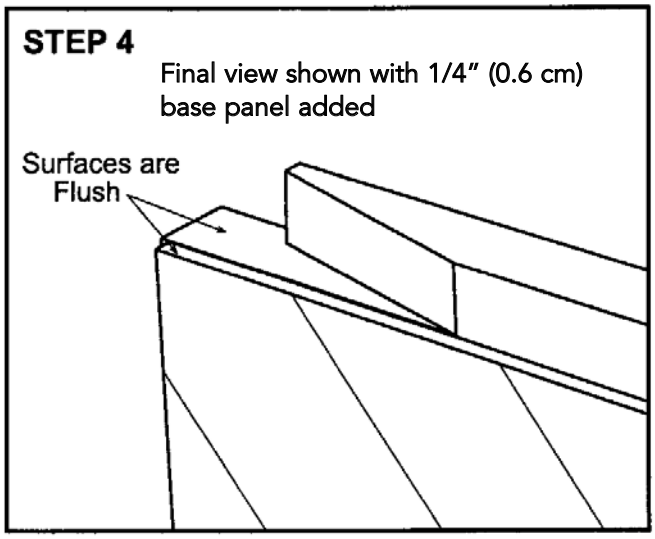


Figure A







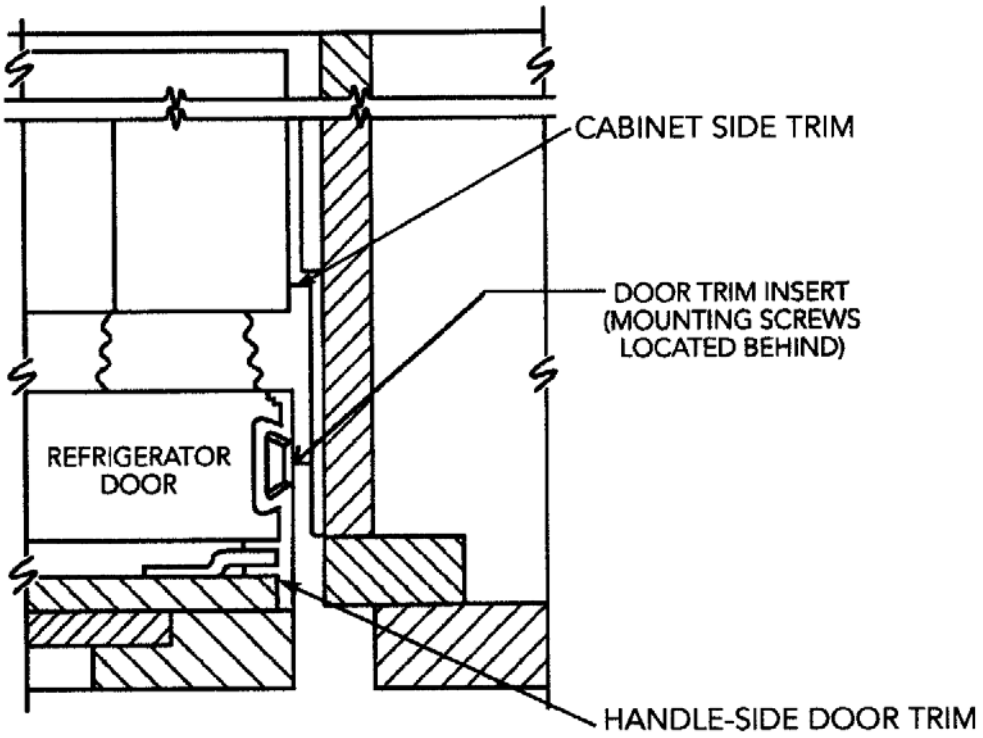


DOOR PANEL INSTALLATION

Panels must not weigh more than 50 pounds per door. Refer to "Custom Panel Dimensions" on page 21 for detailed panel instructions.

Refrigerator Door

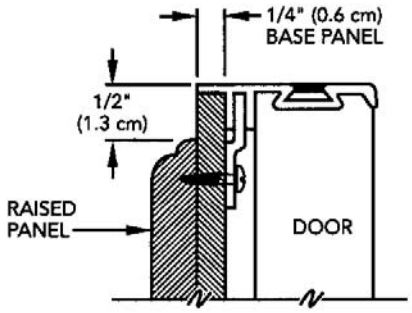
1. Remove cabinet side trim with a phillips screwdriver.
2. Remove handle-side door trim with a phillips screwdriver.
3. Install "Z" brackets (see page 24 for details).
4. Align panel in door trim and push evenly. For smoother installation, apply liquid soap to door trim and "Z" brackets.
5. Install handle-side door trim with screws. Install door trim inserts (supplied) on all four sides of door by starting in one corner and pushing the strip in place.
6. Install cabinet side trim



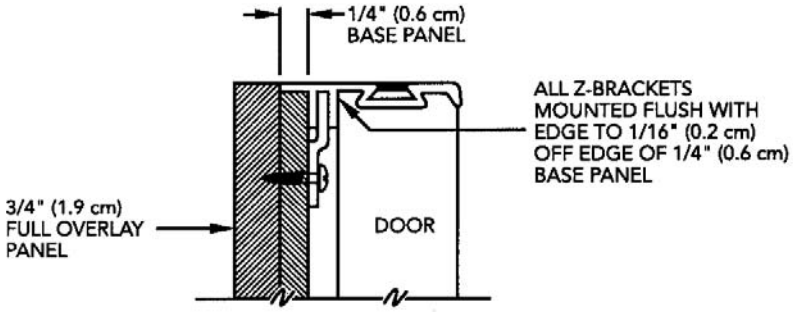
Freezer Door

1. Remove handle-side door trim with a phillips screwdriver.
2. Install "Z" brackets (see page 24 for details).
3. Align panel in door trim and push evenly. For smoother installation, apply liquid soap to door trim and "Z" brackets.
4. Install handle-side door trim with screws. Install door trim inserts (supplied) on all four sides of door by starting in one corner and pushing the strip in place.

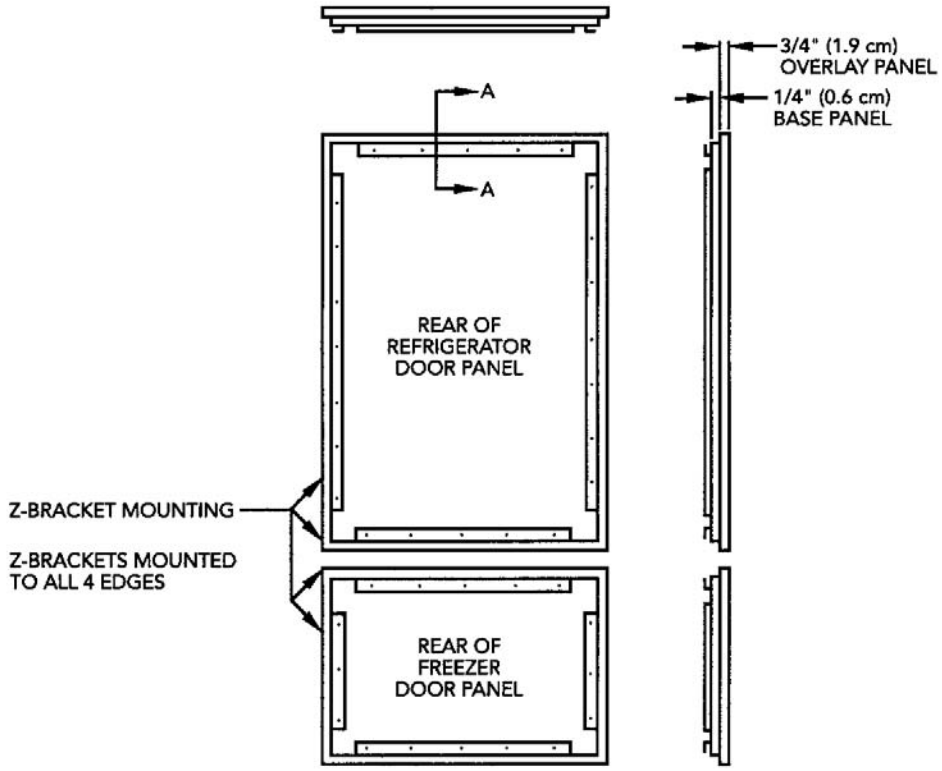
"Z" BRACKET INSTALLATION



SECTION A-A
CUSTOM-RAISED PANELS
ATTACHED TO 1/4" (0.6 cm)
BASE PANEL



SECTION A-A
3/4" (1.9 cm) FULL OVERLAY
PANEL ATTACHED TO
1/4" (0.6 cm) BASE PANEL

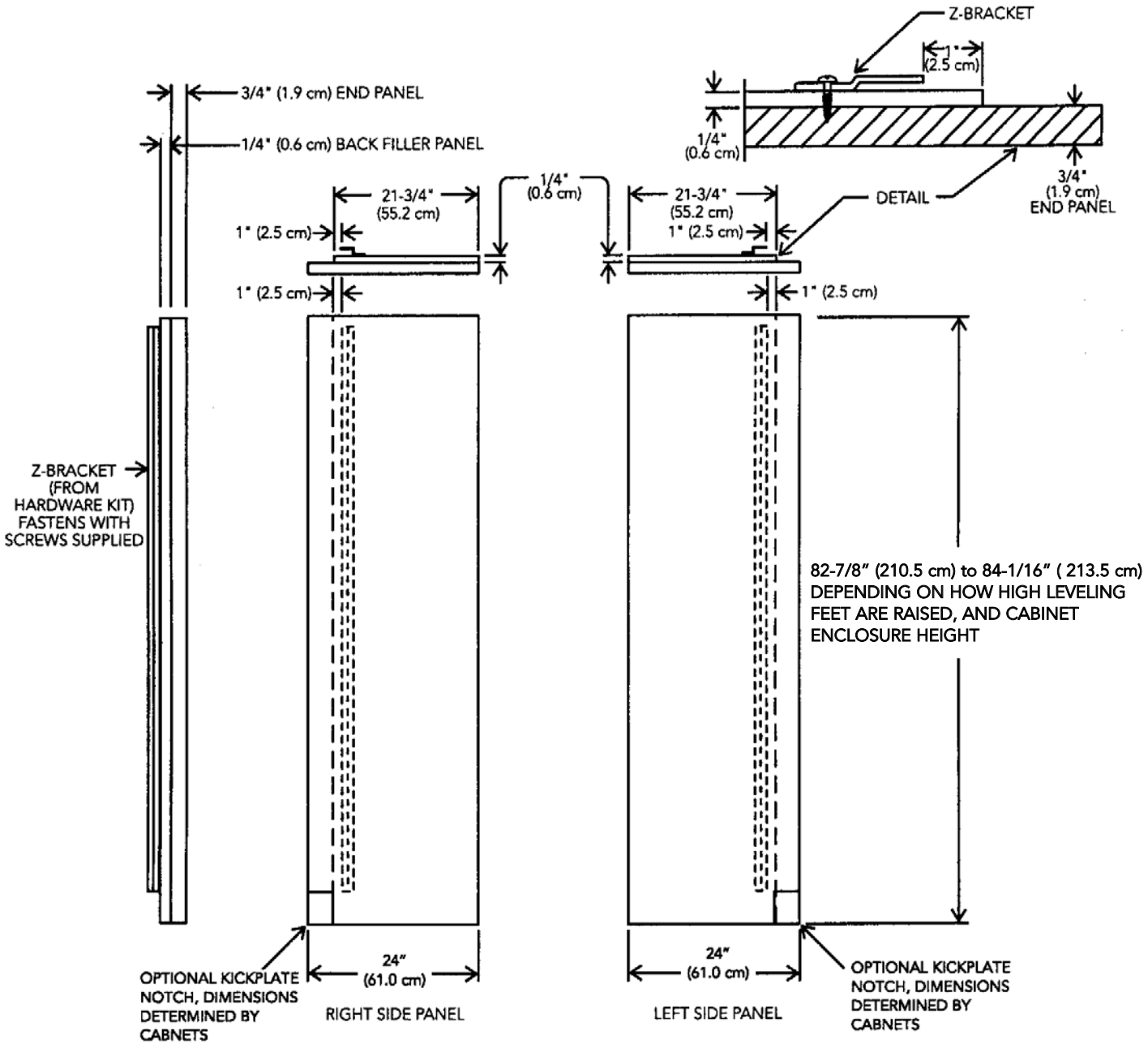


CUSTOM SIDE PANEL DIMENSIONS
DESIGNER/FULL OVERLAY MODELS

FOR 3/4" (1.9 cm) SIDE PANELS

NOTE: Adding a 3/4" (1.9 cm) side panel adds an additional 3/4" (1.9 cm) to the overall width of the product for each side panel used.

NOTE: Requires side panel hardware kit (Kit Model Number - SPHKDS)


Z-BRACKET
1" (2.5 cm)
1/4" (0.6 cm)
3/4" (1.9 cm) END PANEL
3/4" (1.9 cm) END PANEL
1/4" (0.6 cm) BACK FILLER PANEL
21-3/4" (55.2 cm)
1" (2.5 cm)
1/4" (0.6 cm)
21-3/4" (55.2 cm)
1" (2.5 cm)
DETAIL
1" (2.5 cm)
1" (2.5 cm)
Z-BRACKET (FROM HARDWARE KIT) FASTENS WITH SCREWS SUPPLIED
82-7/8" (210.5 cm) to 84-1/16" (213.5 cm) DEPENDING ON HOW HIGH LEVELING FEET ARE RAISED, AND CABINET ENCLOSURE HEIGHT
OPTIONAL KICKPLATE NOTCH, DIMENSIONS DETERMINED BY CABNETS
24" (61.0 cm)
RIGHT SIDE PANEL
24" (61.0 cm)
LEFT SIDE PANEL
OPTIONAL KICKPLATE NOTCH, DIMENSIONS DETERMINED BY CABNETS

CUSTOM FINISHING OPTIONS

Door Clearances

All installations must allow for the refrigerator and freezer door to open a minimum of 90°.

- For side wall or corner installation, allow for a standard 3" (7.6 cm) cabinet filler to assure doors open to 90°. If a custom handle is used a wider filler may be necessary.
- Panel thickness must not exceed 1" (2.5 cm) on hinge side. Thicker panels will interfere with door swing and clearance.
- Panels must not exceed 50 pounds per door.

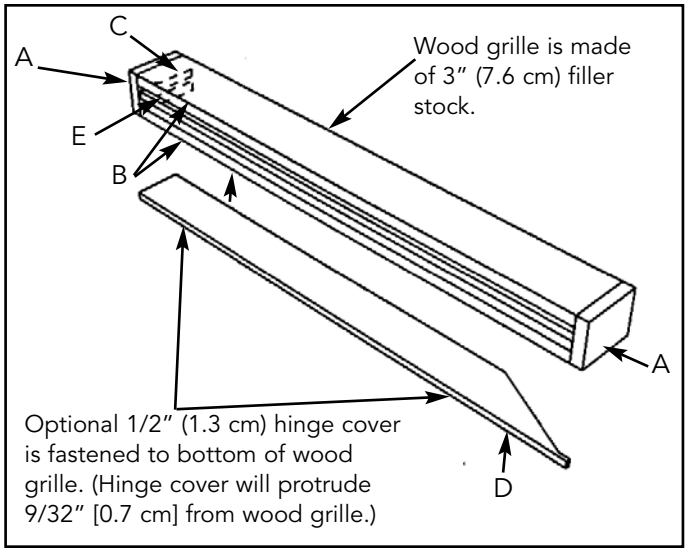
Door Panel Requirements

Verify panel sizes, handle clearances, and placement before beginning installation. See "Custom Panel Dimensions" on page 21.

- In some instances, raised panels may require a handle recess (see page 10).
- Panels thicker than 1" (2.5 cm) require special consideration with door swings and clearances (see page 9-10).

Custom Air Grille Panel (Optional)

A louvered aluminum air grille is supplied with the refrigerator. For custom wood grille application see template in "Custom Air Grille Panel Dimensions" on pages 31-32.

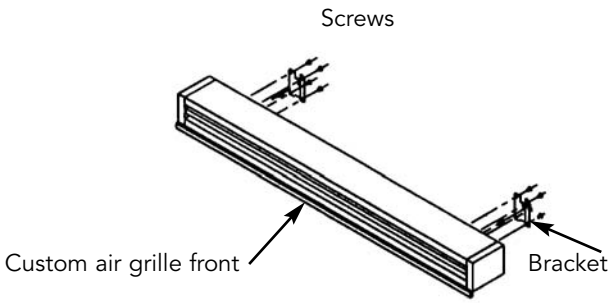

C
A
E
B
Wood grille is made of 3" (7.6 cm) filler stock.
A
Optional 1/2" (1.3 cm) hinge cover is fastened to bottom of wood grille. (Hinge cover will protrude 9/32" [0.7 cm] from wood grille.)
D

Right hinge application:

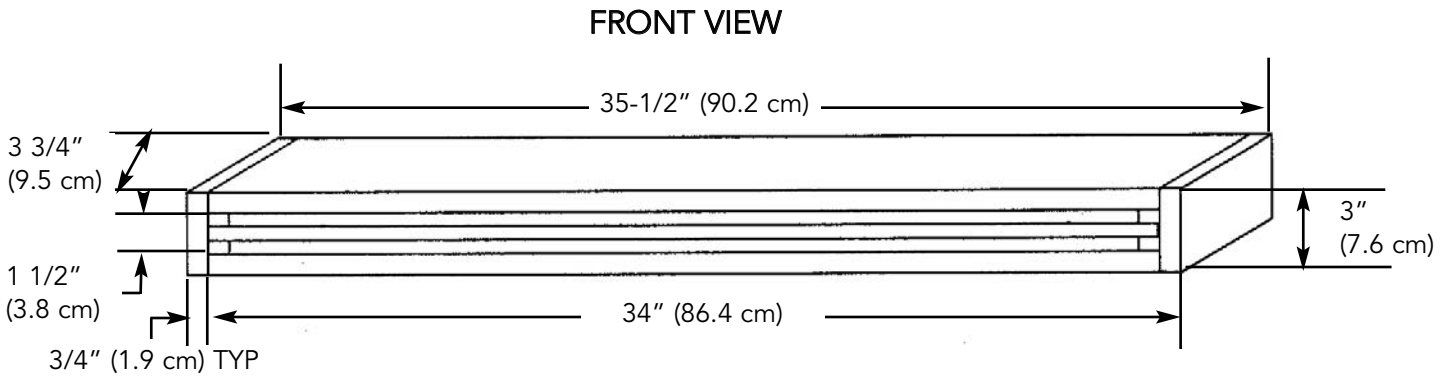
Item	Qty	Description	Size
A	2	End	3"x 3-3/4" x 3/4"
B	2	Top & Bottom	See page 28
C	2	Insert End	1-1/2" x 2-3/4" x 3/4"
D	1	Hinge Cover	See page 29
E	1	Insert	See page 29

Install wood grille by completing the following:

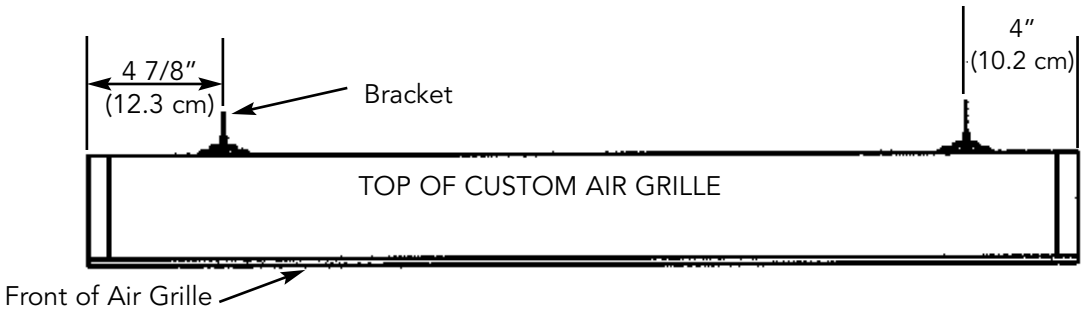
1. Remove air grille center blade.
2. Remove (2) 1/4" (.6 cm) screws with a magnetic extended screwdriver at least 8" (20.3 cm) long.
3. Pull air grille assembly forward.
4. Remove (2) mounting brackets from the air grille assembly.
5. Using (8) screws removed from the mounting brackets, attach mounting brackets to the custom wood grille using predrilled pilot holes. (See page 27 for proper alignment of custom air grille to mounting brackets and pilot hole placement.)
6. Replace air grille assembly by reversing Step 2.

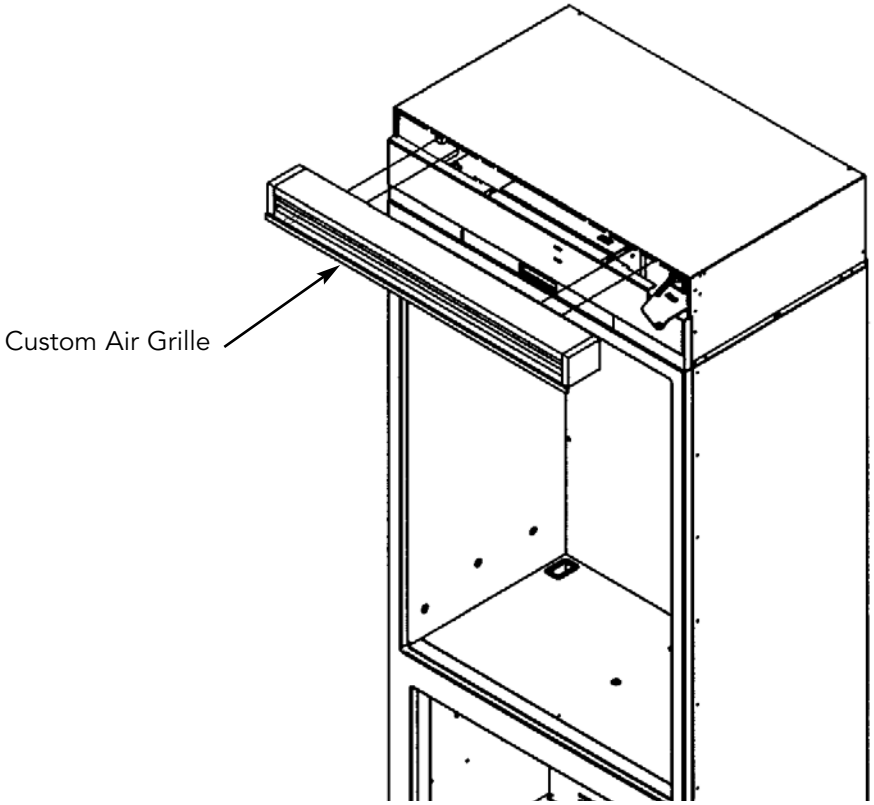


OPTIONAL CUSTOM AIR GRILLE DIMENSIONS

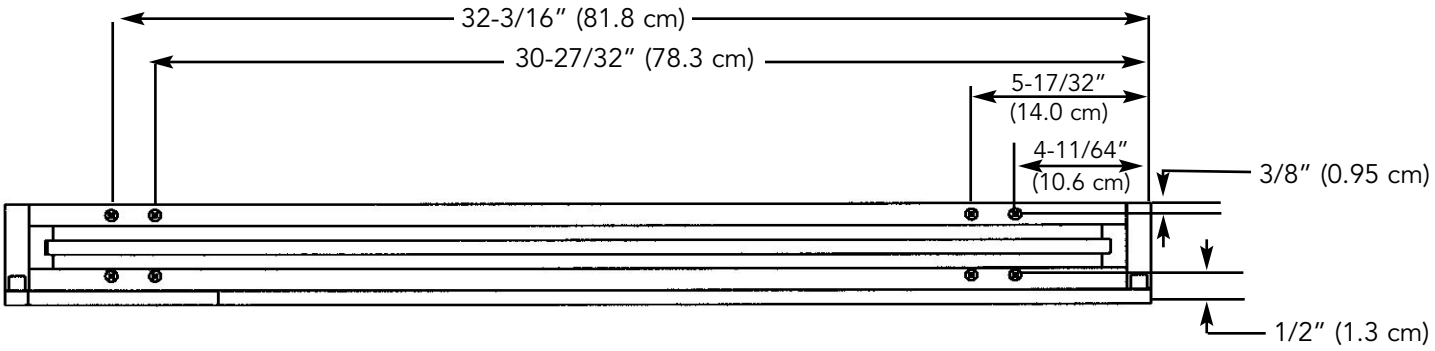


OPTIONAL CUSTOM AIR GRILLE DUCT LIP EDGE LOCATIONS

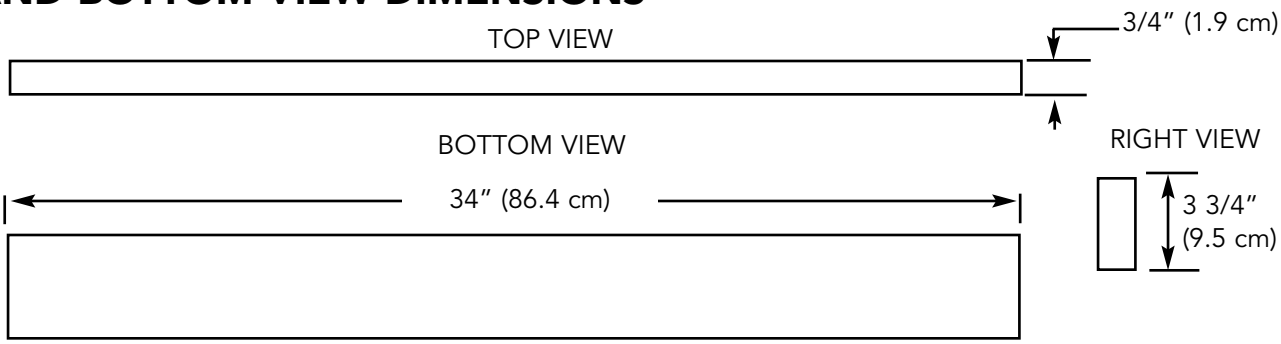




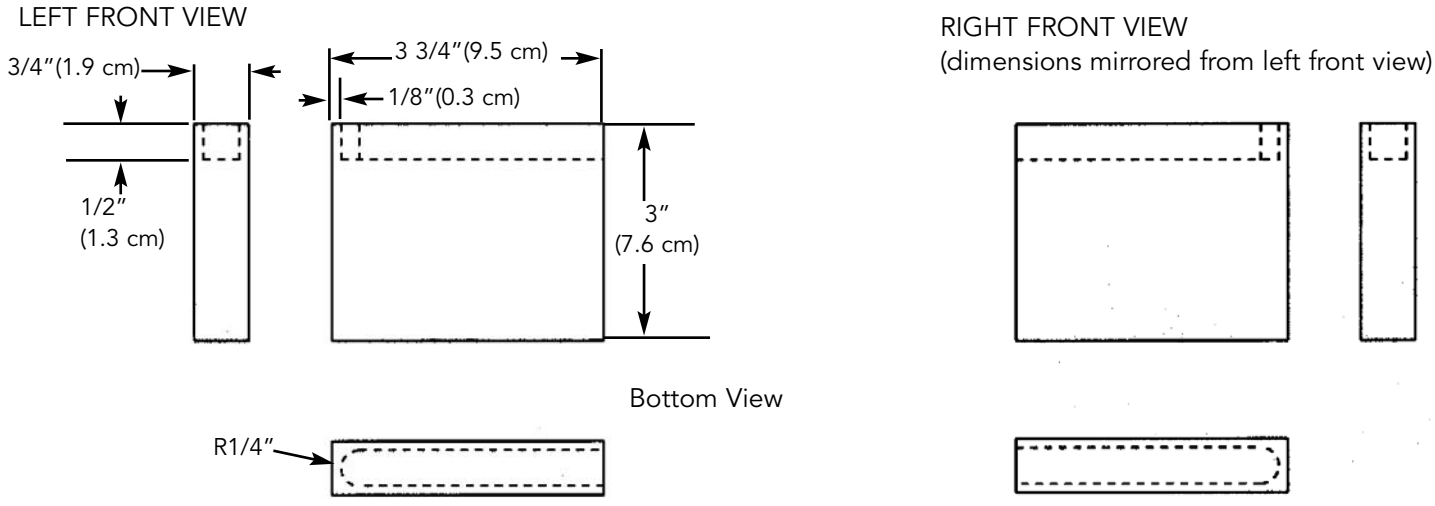
REAR VIEW DIMENSIONS



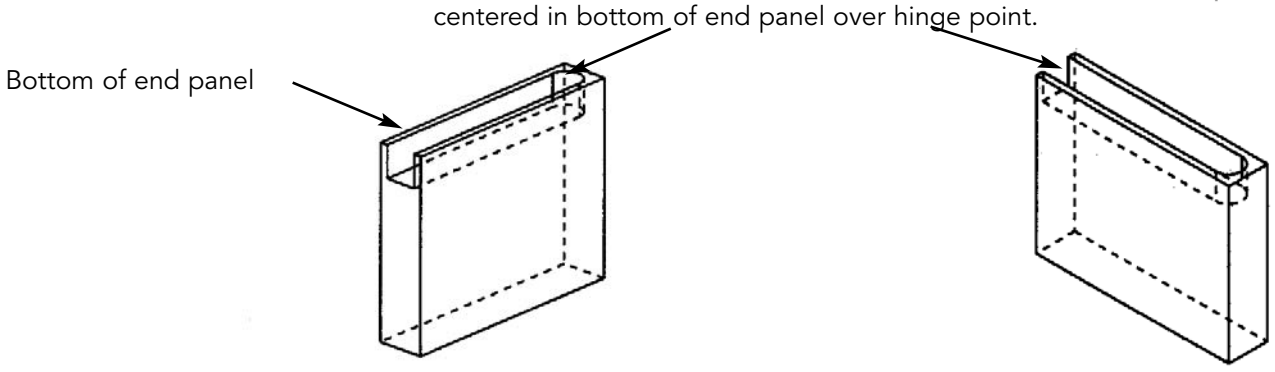
TOP AND BOTTOM VIEW DIMENSIONS



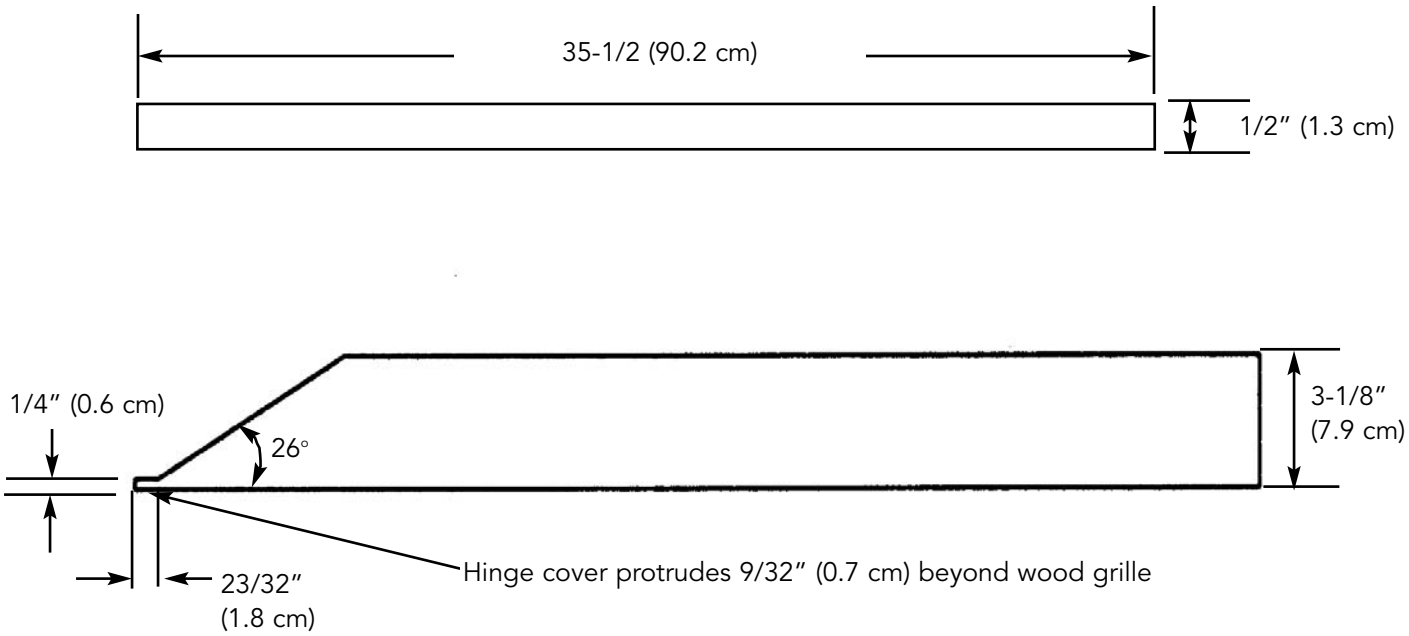
ENDS DIMENSIONS



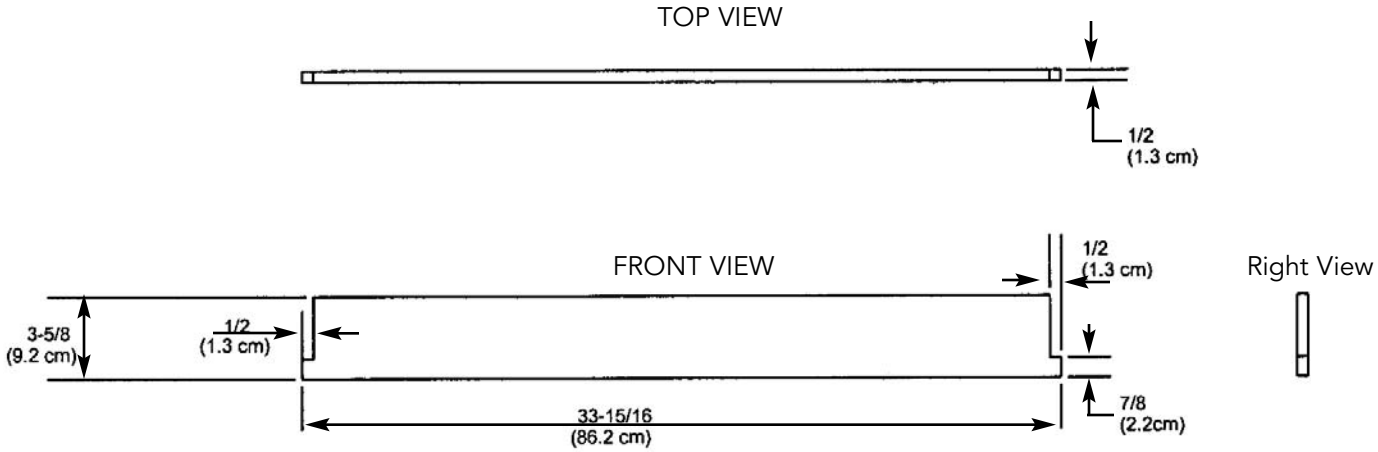
Route a 1/2″ (1.3cm) wide by 1/2″ (1.3 cm) deep slot centered in bottom of end panel over hinge point.



HINGE COVER DIMENSIONS



INSERT DIMENSIONS

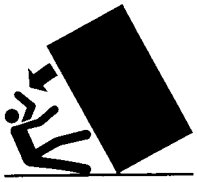


UNIT INSTALLATION

⚠ WARNING

Use two or more people to move and install unit. Failure to follow this instruction can result in back or other injury. To avoid personal injury, wear gloves when performing any installation procedure and wear eye protection when cutting metal straps.

⚠ WARNING



TIP OVER HAZARD

Appliance is top heavy and tips easily when not completely installed. Keep doors closed until appliance is completely installed and secured per installation instructions. Use two or more people to move and install appliance. Failure to do so can result in death or serious injury.

Most of the unit's weight is at the top. Extra care is needed when moving the unit to prevent tipping. Do Not remove protective film until unit is in operating position. All four leveling legs must contact the floor to support and stabilize the full weight. Do not drop unit.

1. Remove exterior shipping materials prior to moving unit into home. Remove top and bottom strap (see Figure 1).

2. Remove top cap (see Figure 1).

3. Cut carton rear approximately 1/4" (0.6 cm) to 1" (2.5 cm) from right corner (see Figure 2) with a utility knife extended 1/4" (0.6 cm). Remove carton and exterior packaging. Save cardboard shipping material to protect floor surface when installing unit. Do not remove nylon cord from power cord. Remove anti-tip board, kickplate and door trim pieces (DF models) from rear of unit (see Figure 3).

4. Remove shipping brackets from skid by removing 4 bolts (2 each side) with a 1/2" socket head screwdriver (see Figure 4).
   - Tilting unit is not required to remove shipping brackets.

5. Slip cart between unit and skid. Remove unit from skid. Use excess packaging to protect decorative trim. Verify that leveling legs are up (0" adjustment) (see Figure 5).

6. To avoid floor damage, use protective material (see Figure 6).

Figure 1

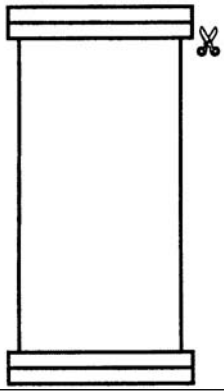
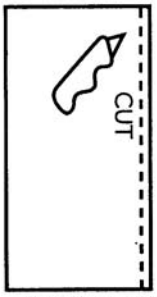


Figure 2



BACK VIEW

Figure 3

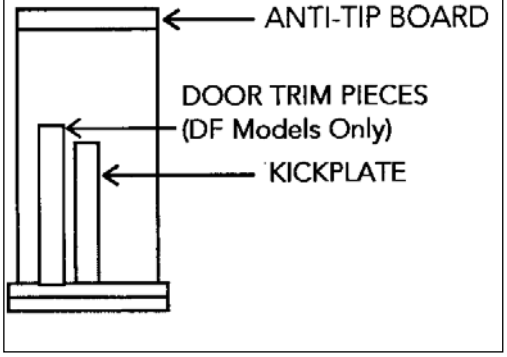


Figure 4

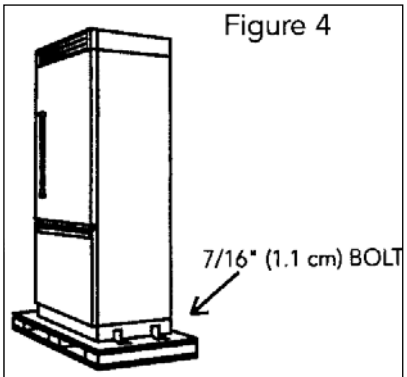


Figure 5

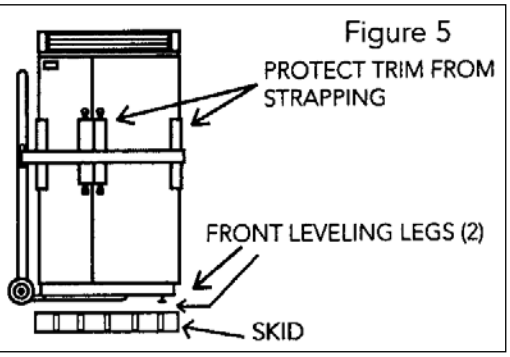
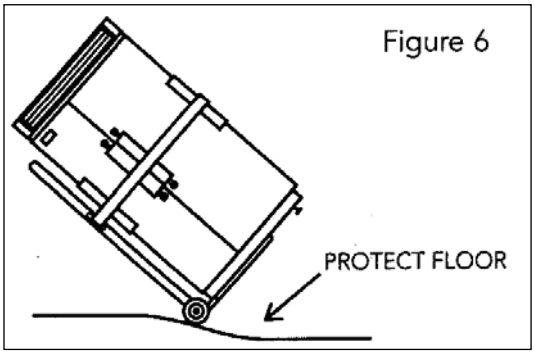


Figure 6



⚠WARNING

Electrical Shock Hazard

Disconnect power at breaker or turn power disconnect switch to OFF position before performing any installation procedure. Failure to do so can result in death or electrical shock.

SECURING THE UNIT (3 OPTIONS)

OPTION 1

If a solid soffit is 1" (2.5 cm) or less above the unit, anti-tip boards are not required.

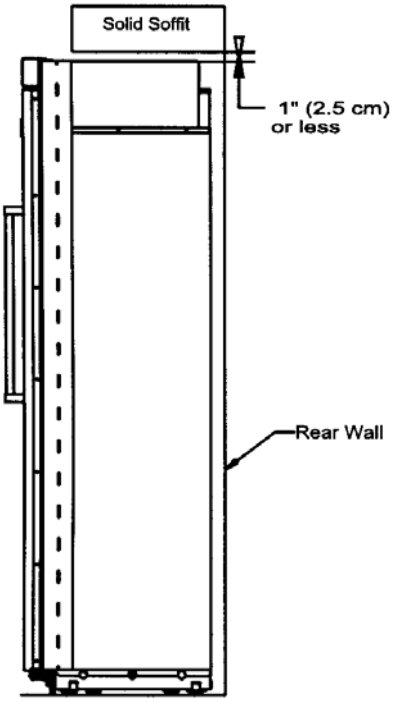
OPTION 2

If a solid soffit is not available or soffit is more than 1" (2.5 cm) above unit, center wood boards on rear wall 1/4" (.6 cm) maximum above unit. Attach wood boards to wall studs with six of the provided wood screws, making sure that screws are engaged in wall studs 1 1/2" (3.8 cm) minimum.

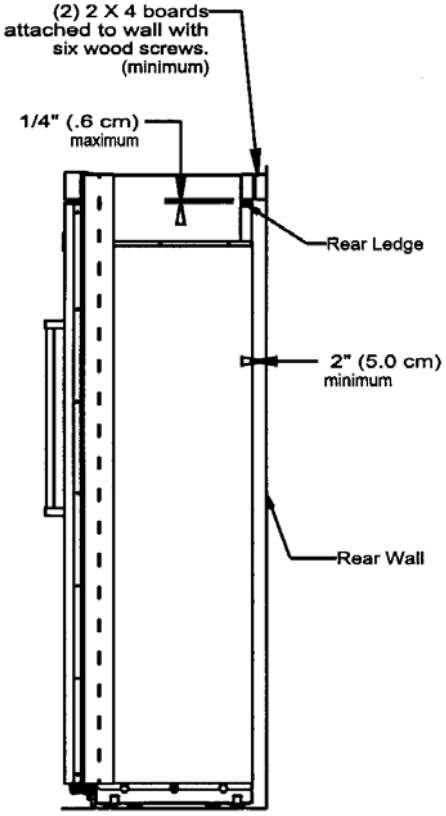
OPTION 3

Create "L" bracket assembly by securing "L" brackets to each end of (1) 2x4 with provided screws (Item A). If 2x4 does not extend 2" (5.0 cm) beyond rear ledge, attach (1) 2x4 to wall (Item B), attach (1) 2x4 to rear ledge of cabinet (Item C) and attach "L" bracket assembly to 2x4 mounted on wall (Item A).

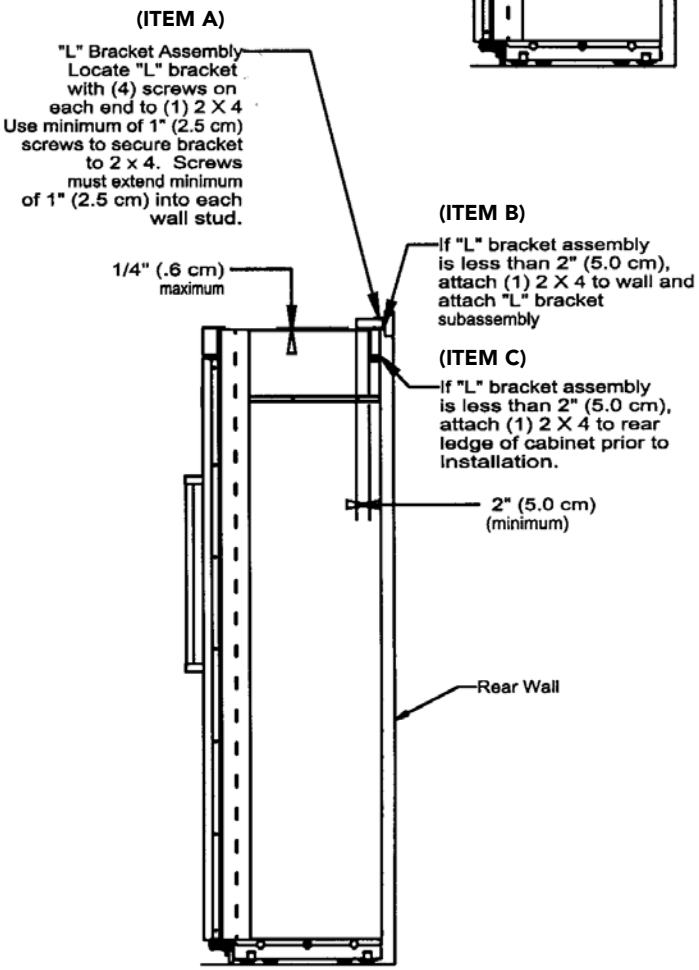
OPTION 1



OPTION 2



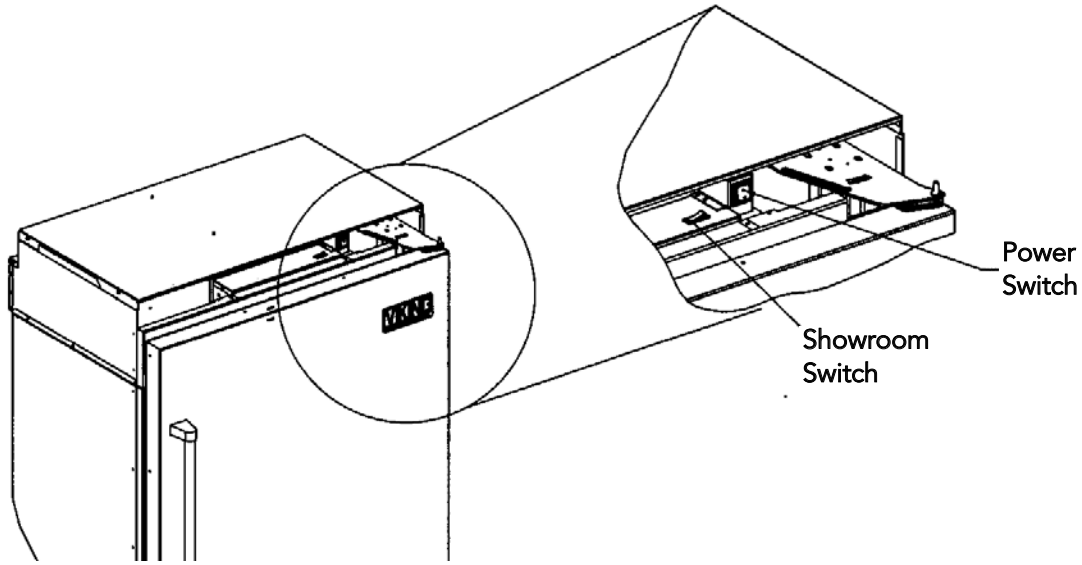
OPTION 3


(ITEM A)
"L" Bracket Assembly Locate "L" bracket with (4) screws on each end to (1) 2 X 4 Use minimum of 1" (2.5 cm) screws to secure bracket to 2 x 4. Screws must extend minimum of 1" (2.5 cm) into each wall stud.
1/4" (.6 cm) maximum
(ITEM B)
If "L" bracket assembly is less than 2" (5.0 cm), attach (1) 2 X 4 to wall and attach "L" bracket subassembly
(ITEM C)
If "L" bracket assembly is less than 2" (5.0 cm), attach (1) 2 X 4 to rear ledge of cabinet prior to installation.
2" (5.0 cm) (minimum)
Rear Wall

UNIT INSTALLATION (Cont'd)

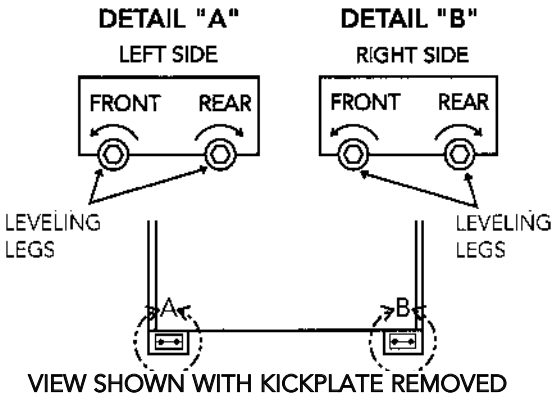
Before moving the unit in place, confirm the finished dimensions, electrical location, minimum door and shelf clearances, and door panel instructions.

1. Position unit in front of cutout.
2. Remove the top air grille assembly.
    a. Remove the center grille louver by lifting up and pulling forward.
    b. Remove the grille/end cap assembly by removing two (2) screws.
3. Verify operation by plugging power cord in receptacle. **Power switch will be shipped in the "ON" position and showroom switch will be in the "ON" position.** (If showroom switch is switched to the "OFF" position, showroom mode is engaged and power is shut-off to the compressor. This mode is for showroom display only).



4. Roll unit into cutout to within 3" (7.6 cm) of being flush with cabinets. To avoid kitchen cabinet damage, place cardboard between cabinets and unit. Push cardboard back with unit and remove cardboard when unit are in place. Remove power cord slack by pulling nylon cord straight out while pushing unit completely into place. Power and nylon cord will rest along unit side. **NOTE: When moving the unit into position, be careful not to crimp, kink or crush the copper water supply line.**
5. Lift the unit off the rollers, adjust to desired height and level unit by using a 5/16" hex head wrench. (Refer to Figure at the right)
    a) To raise (clockwise)/lower (counterclockwise) right side rear, rotate the right side rear hex rod.
    b) To raise (clockwise)/lower (counterclockwise) the left side rear, rotate the left side rear hex rod.
    c) To raise (clockwise)/lower (counterclockwise) the right side front, rotate the right side front hex rod.
    d) To raise (clockwise)/lower (counterclockwise) the left side front, rotate the left side front hex rod.

NOTE: DO NOT use an electric driving device. Overtightening can cause damage.



6. To secure unit, raise unit until compartment cover is firmly seated under the soffit or anti-tip boards. Refer to "Securing the Unit" section on page 31 for more information.
7. Open door. Display should flash. Press Display On pad. There is a 6 minute delay before the unit starts. Verify the position of the power on/off and showroom switch if there is no power to unit.

WATER CONNECTION

- Refer to water supply requirement section for preliminary installation and site preparation (see page7).
- **Do not use plastic water lines between refrigerator and supply. Plastic water lines can fail due to fatigue over time and cause extensive damage to product and the home.**
- **Use only 1/4" copper tubing for water line.**
- The installation of Viking refrigerator with an reverse osmosis system is acceptable **as long as the water pressure remains within the allowable PSI as stated on page 7.** It is important to note that with many reverse osmosis systems, the pressure starts off high, but then it decreases as the water level of the reverse osmosis storage area drops. This must be considered when checking the water pressure coming into the unit.

The 1/4" brass compression union is located in the literature packet.

1. Pull copper supply tubing from plumbing forward from underneath unit (see Figure A).
2. Flush air and impurities from water line by turning on water supply and running two (2) quarts (1.9 L) of water into a bucket.
3. Bend the open end of the supply tube to point toward the open end of the Water Valve Tube (see Figure B). Note: The Water Valve Tube is designed to flex or bend as necessary to line up with the supply tube, so union can be connected easily.
4. Remove brass nuts and ferrules from union and slide onto open ends of Water Valve Tube and supply tubing (see Figure C).
5. Connect nuts on copper tubing to union (see Figure D). Be sure both nuts are fully seated in union before tightening nuts. Do Not over tighten.
6. Turn on water supply to unit and check for leaks.
7. Turn off water supply to unit and correct any leaks. Repeat this process until no leaks exist.
8. Completely turn on water supply to unit.
9. Verify drain pan is installed and aligned. Drain pan must be pushed past and over initial stopping point.

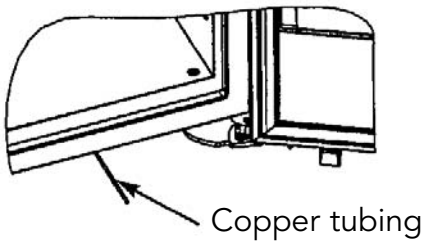


Figure A

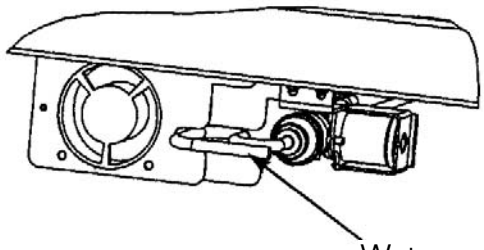


Figure B

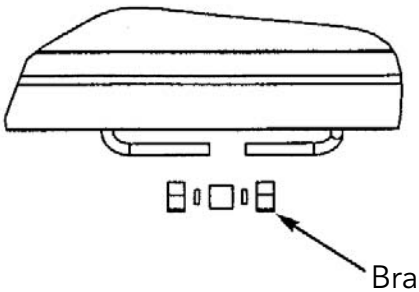


Figure C

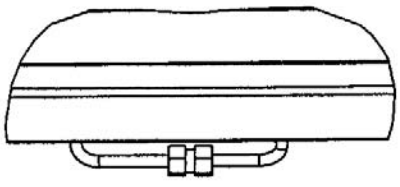
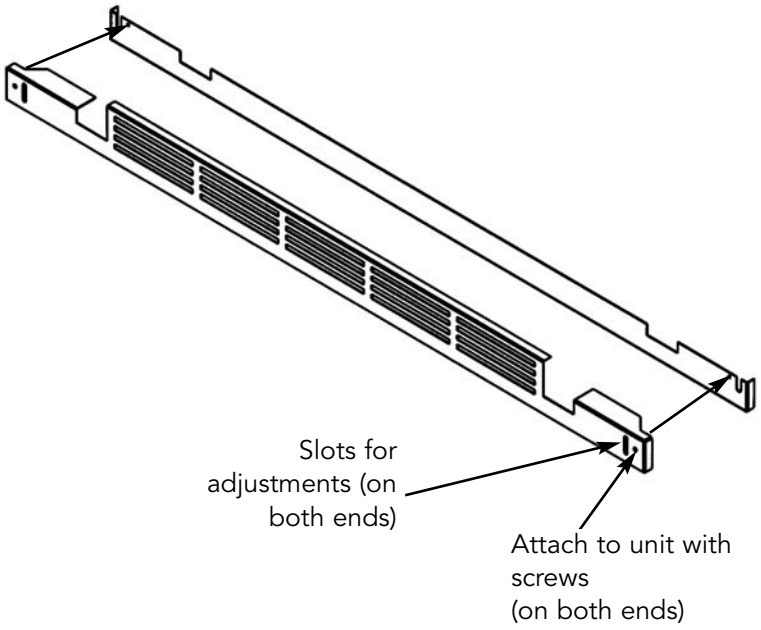


Figure D

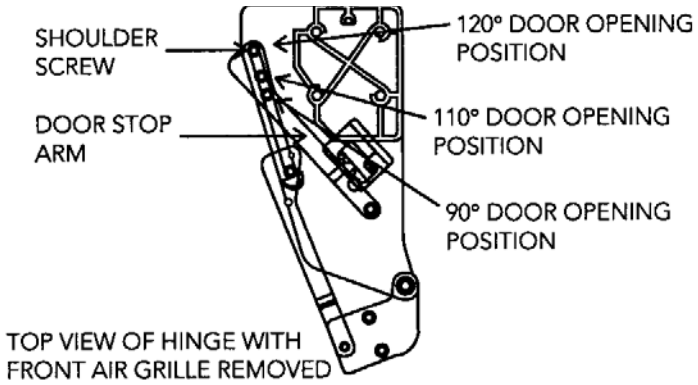
KICKPLATE INSTALLATION

Align the holes on both ends of the louvered panel with the holes in the base of the unit.
Adjust the kickplate to the desired height and fasten in place by tightening the screws in the slot. Attach the kickplate to the unit on each side with the two black phillips head screws provided.



DOOR STOP ADJUSTMENT

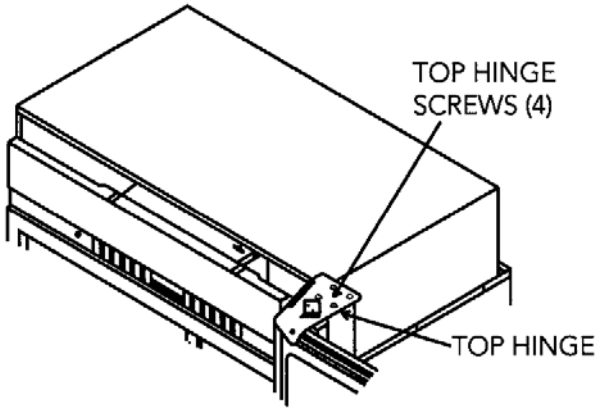
1. Remove center grille louver from the top air grille assembly.
2. Remove top air grille by removing (2) 1/4" screws with an 8" (20.3 cm) long magnetic 1/4" (.6 cm) nut driver. Pull assembly forward.
3. Open refrigerator door so door stop arm and shoulder screw are accessible. Shoulder screws should be in 110° door opening position.
4. Remove shoulder screw and place shoulder screw in the 90° or 120° door opening position.
5. Replace top air grille assembly.


SHOULDER SCREW
DOOR STOP ARM
120° DOOR OPENING POSITION
110° DOOR OPENING POSITION
90° DOOR OPENING POSITION
TOP VIEW OF HINGE WITH FRONT AIR GRILLE REMOVED

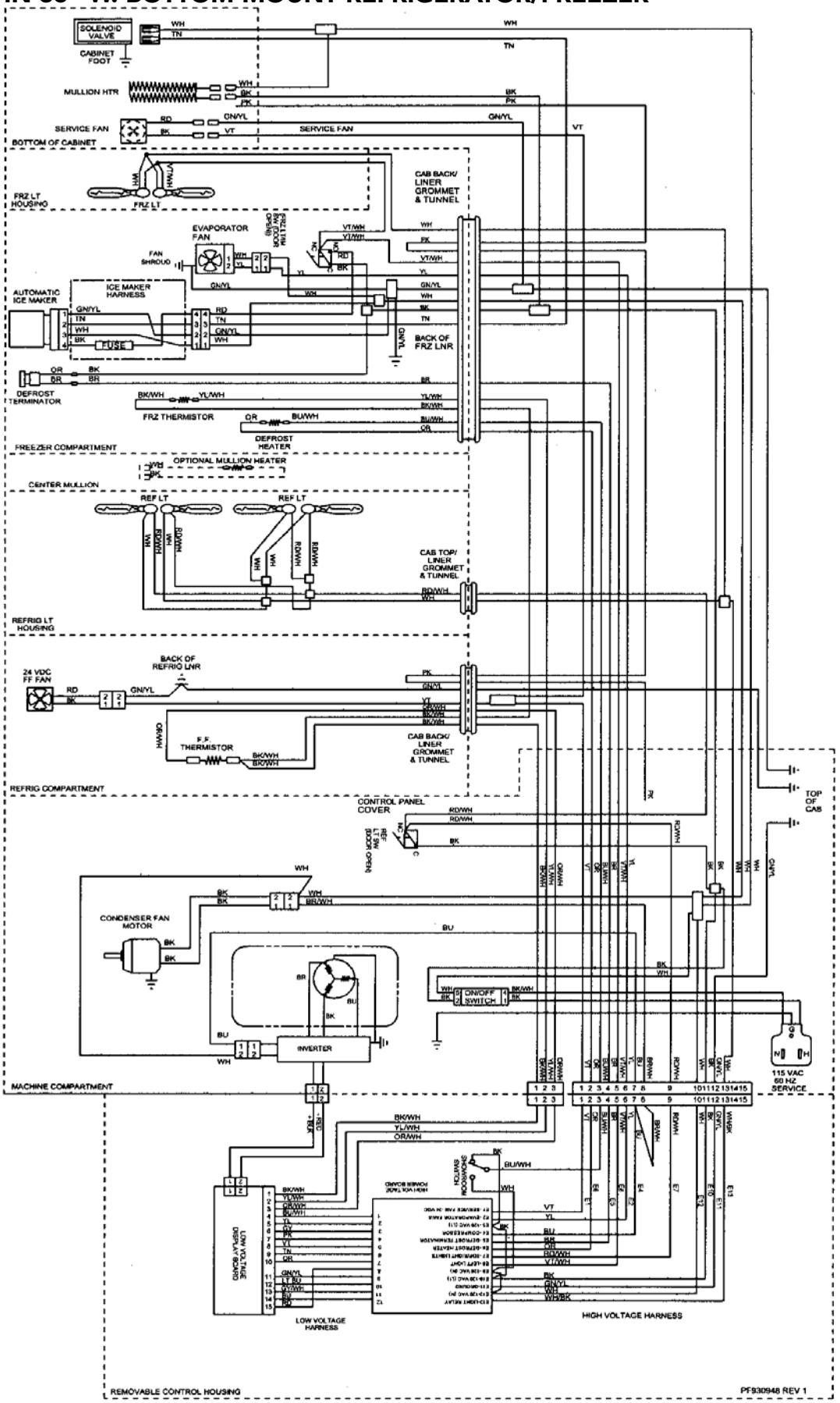
HINGE ADJUSTMENT

Verify proper door alignment. Only the top hinge is adjustable.

1. Remove the center grille louver from the top air grille assembly.
2. Remove top air grille by removing (2) 1/4" screws with an 8" (20.3 cm) long magnetic 1/4" (.6 cm) nut driver. Pull assembly forward.
3. Loosen the (4) top hinge screws.
4. Align refrigerator door by lifting.
5. Tighten screws.
6. Replace top air grille assembly



WIRING DIAGRAM
BUILT-IN 36" W. BOTTOM MOUNT REFRIGERATOR/FREEZER



WARNING:

ELECTRICAL GROUNDING INSTRUCTIONS

This appliance is equipped with a three prong grounding plug for your protection against shock hazard and should be plugged directly into a properly grounded three prong receptacle. DO NOT CUT OR REMOVE THE GROUNDING PRONG FROM THIS PLUG.

REFER ONLY TO FEATURES WHICH ARE EQUIPPED WITH THIS UNIT.

VIKING RANGE CORPORATION
111 Front Street • Greenwood, Mississippi 38930 USA • (662) 455-1200
Specifications subject to change without notice